MARITIME HERITAGE MINNESOTA



Ann Merriman

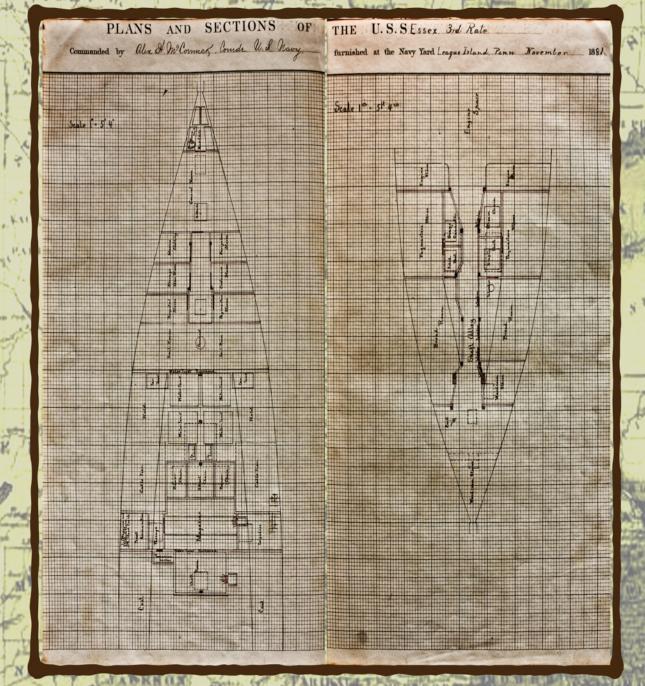
CHRISTOPHER OLSON

Log Books 8-9 of the USS Essex

November 12, 1881 - May 16, 1882

The Day-to-Day Operations of Shipbuilder Donald

McKay's Last Ship



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USS Essex Log Books 8-9

Finding Aid

Adams class ship USS Essex (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS Essex could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS Essex log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the Essex as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the Essex that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the Essex in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the Essex, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS Essex log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

Log Books 8-9 of the USS *Essex*: November 12, 1881 - May 16, 1882

The National Archives houses two identical versions of USS *Essex* Log Books 8 and 9. Essex Log Book 10, housed at the Naval Academy in Annapolis, is an abbreviated volume in a different format than Log Books 8-9, but pertains to the same time period. Throughout Log Books 8-9, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and vice-versa
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and vice-versa when the Essex was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording sea water density
- recording the ship's behavior (heavy rolling or pitching)
- crew conducting ship maintenance: engine maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting and sometimes tarring and caulking the ship's hull and infrastructure, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, scraping and slushing spars, turned and cleaned hammocks, scraping and blacking boat davits
- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), target practice with the air gun, floating target practice, boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, general quarters drills, small arms drills, fire drills, single stick drills, torpedo drills, passing powder drills, surprise enemy attack drills, Winchester Hotchkiss Magazine Rifle drills
- Marine Guard infantry tactics drills
- cadet/apprentice drills: signaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction

- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- lists of new crew members recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen.
- Sunday services after the reading of the Articles for Better Government of the Navy

At the beginning of Log Books 8-9, on November 12, 1881, the USS *Essex* was moored at the League Island Navy Yard in the Delaware River at Philadelphia, PA. On November 12 she was recommissioned for active duty service in the US Navy under Commander Alexander H. McCormick. Throughout the month of November while at the Navy Yard, *Essex* received all variety of stores and several consignments of crewmen from the US Receiving Ship *St. Louis* in preparation for going to sea. The crew was busy painting the ship, the sails were received and the Engineering Department tested the engine on November 25, and practice drills began. On November 26 the tug *Pilgrim* towed a lighter alongside the *Essex* to transfer a load of gun power for the ship's ordnance stores. The next day, the American steamer *Saxon* passed the Navy Yard and on November 28, USS *Essex* was standing down the Delaware River. She passed the Cape May and Cape Henlopen Lighthouses, Hen and Chickens Shoal, and Breakwater, Fenwick Island, and Cape Charles Lights. Along the way, depth soundings were taken and the ship's officers ran the crew through a variety of training drills.

On December 1, *Essex* passed Cape Charles and Cape Henry Lights and anchored off shore at Port Norfolk, Virginia, taking bearings off Fort Monroe and Lambert Light. Also at anchor, an officer from the sloop-of-war USS *Kearsarge* visited the *Essex* in the evening. The next day, tugboat USS *Fortune* assisted Essex in navigating the Elizabeth River to the Norfolk Navy Yard in Portsmouth, Virginia. Once at the Yard, *Essex* was drydocked while her rigging was fitted, and the crew mustered at quarters and conducted drills with the ship's great guns. The crew's hammocks were scrubbed and the ship's bilges were cleaned. On December 15, *Essex* left the drydock one day later than planned due to a stuck caisson. Once launched, *Essex* moored to the coal dock and took on a load of fuel and the ship's complement of Marine Guards drilled in infantry tactics. On December 17, the US Receiving Ship *Colorado*, stationed at the New York Navy Yard, transferred one landsman, five seamen, and 33 apprentice boys to serve on the *Essex*. Getting underway, *Essex* exchanged maritime signals with US Receiving Ship *Franklin*, moored at the St. Helena Annex at the Norfolk Navy Yard. Proceeding down the southern branch of the Elizabeth River, *Essex* anchored near the Naval

hospital at Portsmouth, Virginia, noting the Lambert Point and Hospital Lights. Interestingly, a large number of crewmen were going AWOL, even though the ship was only in commission for about 6 weeks and had not left the eastern Navy Yards. *Essex* offered reward money to the local police departments to return the AWOL sailors. On December 25, a steamer of the Old Dominion Line docked near *Essex* and three days later, the Navy Board of Inspection officers examined the ship before she was scheduled to go to sea. On December 30, Commander McCormick ordered the crew to put *Essex* through steam and sail trials in Chesapeake Bay to check all the ship's systems in a protected waterway. The next day *Essex* anchored off Fort Monroe to test the ship's anchors, lines, and the crew's ability to secure the vessel. She then moved to again moor at the Naval Hospital at Portsmouth.

In early January 1882, eight more seamen were transferred to Essex from USRS Colorado, an additional group of crewmen arrived from the USRS Franklin, and monetary rewards were still on offer for the return of AWOL sailors. On January 9, Essex left the Elizabeth River into the Atlantic and anchored off Fort Monroe. The next day, USS Essex steamed out to sea, heading toward Funchal, Madeira. The ship sighted Craney Island, Lambert Point, Thimble, and Old Port Lights, along with Cape Henry at Virginia Beach from a distance off the shore. A three-masted schooner was noted, and when Essex was a significant distance off the coast, Commander McCormick ordered the engine stopped, the propellor uncoupled, and the sails raised; Essex was under wind power crossing the Atlantic Ocean. On January 13, the ship encountered heavy weather that caused damage to the sails and the next day, the engine was started to assist the sails. Because of the storm's power, the wheel ropes experienced strain and a set of relieving tacked had to be rigged up to assist the steering mechanism. On January 15, the gale had passed and the ship was under sail once more; a brig and a barque were sighted. On January 20, the log recorded that the crew had "sighted a find rainbow arching from the western to the norther point of the horizon" and then a British bark passed Essex, dipping her colors. The rest of the month saw the crew conducting gunnery and small arms practice, single stick exercises, and target practice with the air gun.

In early February, *Essex* exchanged colors with a Greek bark and provided the ship with the longitude, and another vessel encountered had lost its fore topgallant mast. During a night watch, the crew "noticed a peculiar halo around the moon, consisting of a red ring, a green ring then a quarter red ring." On the evening of February 4, the engine was stopped because damaged occurred to the water valve on one end of the high pressure cylinder. It was repaired and *Essex* continued toward Madeira. Taking sightings off of Flores Island in the Azores and another lighthouse to the NNW, on February 5 *Essex* pulled into Funchal in the early morning, anchoring after sunrise. Commander McCormick went ashore for official visits while the crew cleaned and conducted maintenance on the ship, performed drills, and stored newly received provisions. An English mail steamer went to sea; she dipped her colors with *Essex* when passing. A Portuguese steamer and corvette HBM (Her Britannic Majesty's) *Algerine* anchor at Funchal; *Essex* sent an officer to extend courtesies to the British ship. The crew continued maintenance work on the ship's rigging and stowed provisions below in

preparation for pulling anchor on February 11. Essex left Funchal, passed Gorguello Island (Ilheudo do Gorgulho) on her port side, and headed for Santa Cruz de Tenerife in the Canary Islands. Essex experienced deeply rolling waves on the way to Santa Cruz and passed a steamer along the way. After Tenerife was spotted, the engine connecting rod bolts broke, stranding the ship for most of a day. Once repaired, Essex steamed toward Tenerife and anchored at Santa Cruz on February 14. The American Consul, the Aide de Camp of the Governor of Tenerife, and the Captain of the Port in Santa Cruz visited the ship. On February 18, Essex left Tenerife heading to the Cape Verde Archipelago and its capital of Porto Praya (Praia). On February 20, the crew witness a very bright meteor moving from the southwest to the northeast for a considerable distance across the night sky. The ship anchored in Porto Praya on February 26; Commander McCormick left Essex for official visits on shore. The American Consul, the Porto Praya Military Commandant, and the Governor's Aide boarded the Essex for a visit. The log took note of two schooners that came into the port at night without running lights. Essex left Porto Praya on February 28, steaming past Fogo Island. After noon, Essex stopped steaming and dropped a boat into the water to pick up a monkey that had jumped overboard. Fifteen minutes later the monkey was back on board, and Essex set out for Porto Grande on St. Vincent Island, Cape Verde.

On March 1, 1882, Essex anchored in Porto Grande at St. Vincent Island, taking bearings of Bird Island and the Old Fort. The Health Officer and Captain of the Port visited the ship, an Essex officer went ashore to meet with the US Consul, and Commander McCormick made additional visits in Porto Grande. A bark anchored off the port bow and the English steamers Good Hope and Hercules went to sea. The Pacific Steam Navigation Company (out of England) ship *Iberia*, the second largest ship in the world in 1882 after Brunel's Great Eastern, came to anchor. The March 4 log noted it was payday for the crew, and the English steamers Dago and Eastbourne arrived in port. The Iberia and a German bark left Porto Grande; they dipped their colors to Essex and Essex returned the courtesy. The Mayor of Porto Grande and the port's military commander visited Essex, while crewmen were sent ashore for liberty. French, British, and German steamers anchored, the French corvette Talisman anchored astern of the Essex, and a French steamer left port. Another English steamer arrived in port and anchored, and the Commanding Officer of the Talisman boarded Essex for a visit. A German bark leaving the harbor exchange salutes with Essex, another English steamer arrived in port, and the English mail steamer Tamor departed Porto Grande.

On March 11, *Essex* left Porto Grande to return to Porto Praya, passing Fogo Island and they spotted the Porto Praya and Mole Lights, anchoring in Porto Praya the next day. The Portuguese gunboat *Guenza* offered her services to *Essex* as a courtesy. Commander McCormick paid the ship a visit and *Essex* received an official visit from a *Guenza* officer. The Portuguese steamer *China* anchored in the harbor and on March 13, *Guenza* departed Porto Praya. On March 14, *Essex* departed Porto Praya and headed for Monrovia, Liberia, passing Quail Island and Porto Praya Lights. The crew engaged in target practice and the log noted the ship was passing through tide rips. On March 24, *Essex* anchored in Monrovia and received a visit by a representative of Virginian-born Liberian President Anthony W. Gardiner. Commander McCormick sent

Essex officers to meet with the American Consul in Monrovia and to the English gunboat Algerine; the visit was reciprocated. Another English steamer entered and anchored in the harbor, and the Aid de Camp of the Governor of Sierra Leone visited Essex. On March 28 an American bark was anchored in the harbor along while HMS Algerine and the yacht Prince of Wales took to sea. The Secretary of the Interior for the Republic of Liberia, Edward Wilmot Blyden, visited Essex and the private secretary of President Gardiner boarded the ship for passage to Bassa, Liberia. The next day, Essex headed toward Bassa, conducting a sounding survey along the way; she anchored at Bassa on March 30. President Gardiner's secretary went ashore and returned later in the day, while the US Consular agent based in Bassa visited the hip. On March 31, Essex left Bassa under steam toward Tembo, Liberia.

On April 1, *Essex* steamed toward Sinoe, Liberia, conducting a sounding survey along the way; the exercise was briefly interrupted because of wheel rope trouble. *Essex* anchored at Sinoe, taking bearings off South and North Point. President Gardiner's secretary went ashore and Georgia-born Liberian Attorney General Joseph J. Ross visited *Essex*. Two more Liberian passengers, Senators Sherman and Fuller, come on board and on April 2, *Essex* departed Sinoe for Cape Palmas, Liberia. Arriving at Cape Palmas on April 3, Senators Sherman and Fuller went ashore at Cape Palmas. On April 5, *Essex* departed Cape Palmas for Montevideo, Uruguay. One day out of Liberia, the ship hove to in order to pick up 'articles' accidentally dropped overboard. *Essex* Log Book 10 identified the 'articles' as live chickens. While traveling across the Atlantic Ocean, the *Essex* crew lost a battle axe and hammer overboard by accident, and noted a large school of black fish. On April 18, while rigging the torpedo boom for a drill, an accident damaged the boom and the Survey Board condemned it and relegated it to be used as fuel. Proceeding across the Atlantic throughout the rest of April, the *Essex* crew sighted the sails of ships at various times and passed a Russian bark.

On May 1, *Essex* crewmen had gunnery practice using a floating target and two 'boys' - apprentices - fell overboard while painting boats; the ship stopped to retrieve them. On May 5, *Essex* exchanged colors with a passing English brigantine and two days later, the upper part of the port pivot post washed overboard. Further, *Essex* lost one muzzle bag and one 8-inch rammer overboard as well. On May 14, *Essex* was taking deep sea soundings, but the procedure was interrupted when hot bearings forced the engineers to stop the engine. Also, repairs were made to jammed steering gear. The next day, *Essex* spotted the Santa Maria, San Ignacio, and Maldonado Lights, the River Plate, and Flores Island. On May 16, 1882, *Essex* entered the Bay of Montevideo and anchored, then exchanged marine code signals with sloop-of-war USS *Brooklyn*. *Essex* received official visits from Italian, French, Argentine, Spanish, Brazilian and English men-of-war anchored at Montevideo.

Tags:

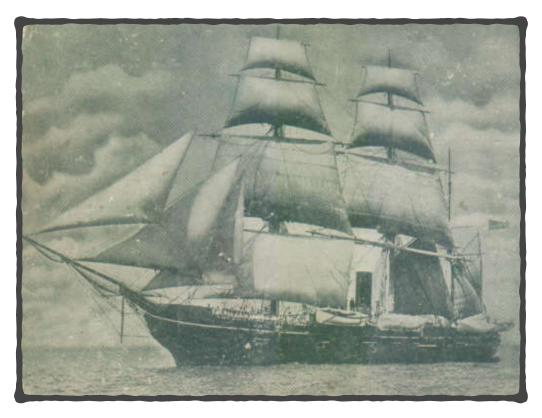
American Ships: sloop-of-war USS *Brooklyn*, frigate US Receiving Ship *Colorado*, sloop-of-war USS *Essex*, tugboat USS *Fortune*, US Receiving Ship *Franklin*, US Receiving Ship *St. Louis*, steamer *Saxon*

British Ships: corvette HBMS *Algerine*, steamer *Dago*, steamer *Eastbourne*, steamer *Good* Hope, steamer *Hercules*, steamer *Iberia*, mail steamer *Tamor*

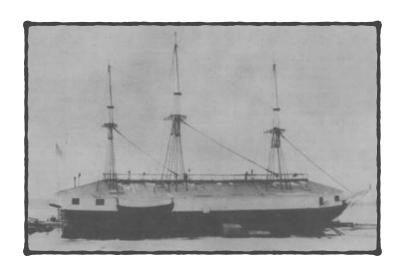
French Ship: corvette Talisman

Portuguese Ship: gunboat Guenza

Sierra Leonean Ship: yacht Prince of Wales

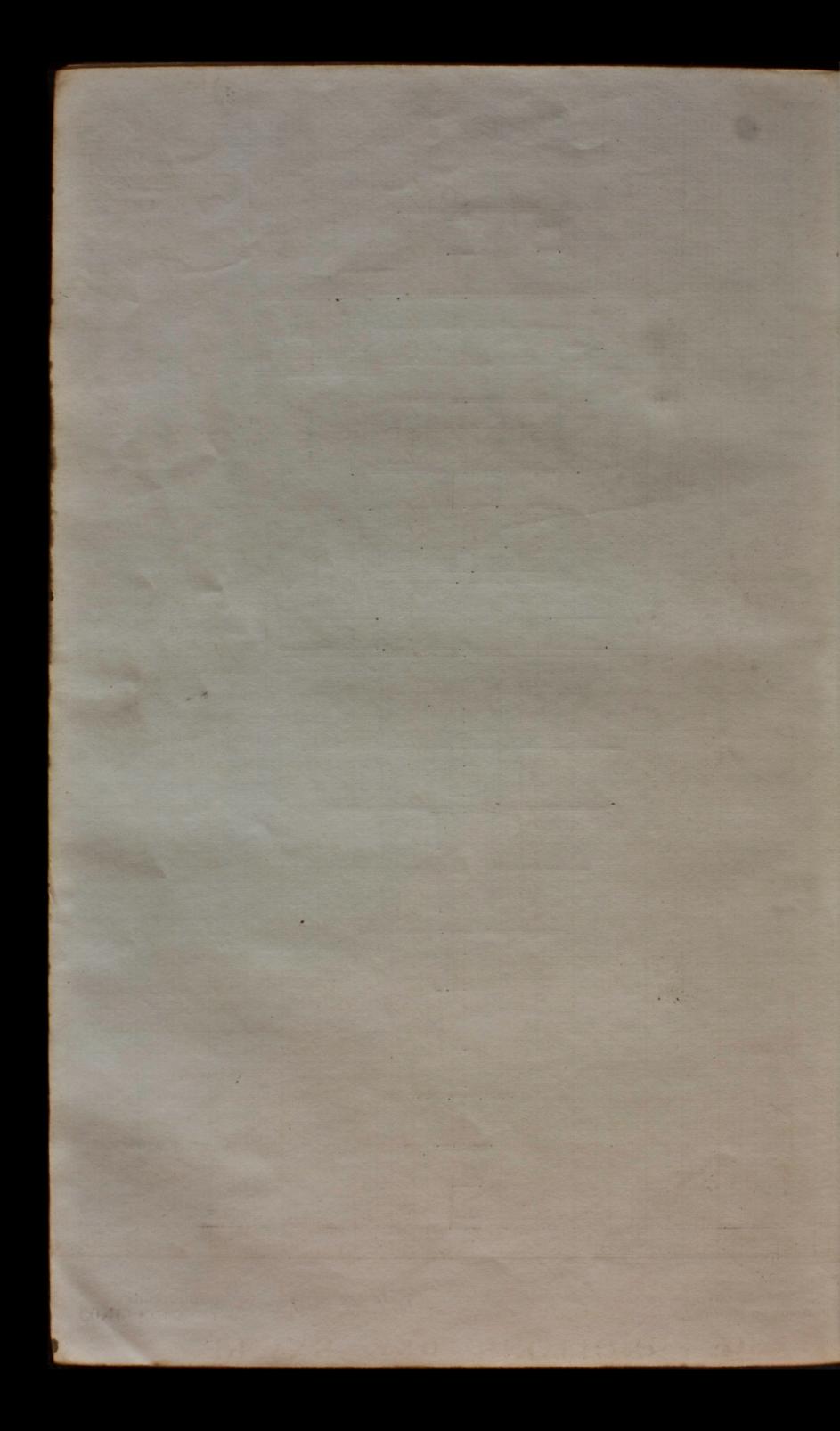


USS Essex



USRS St. Louis





LOG BOOK

OF THE

U. S. Ship Essex

3- RATE

OF 6. GUNS,

COMMANDED BY

Commander astmc Corniet , U. S. Navy,

Attached

, to Squadron,

Commencing november 12th, 1881,

at Philadelphia Tenna

and ending may 16th, 1882,

at Montevides Uniquay S. a.

BUREAU OF NAVIGATION, NAVY DEPARTMENT,

1875.

LIST OF OFFICERS

Attached to and on board of the U. S. Ship Essey" 3 Rate

, commanded by

aly. H. M. Connick Commander, U. S. N., at the time of leaving the anchorage

at League Island Oa the 29 tay of november

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LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U.S. S

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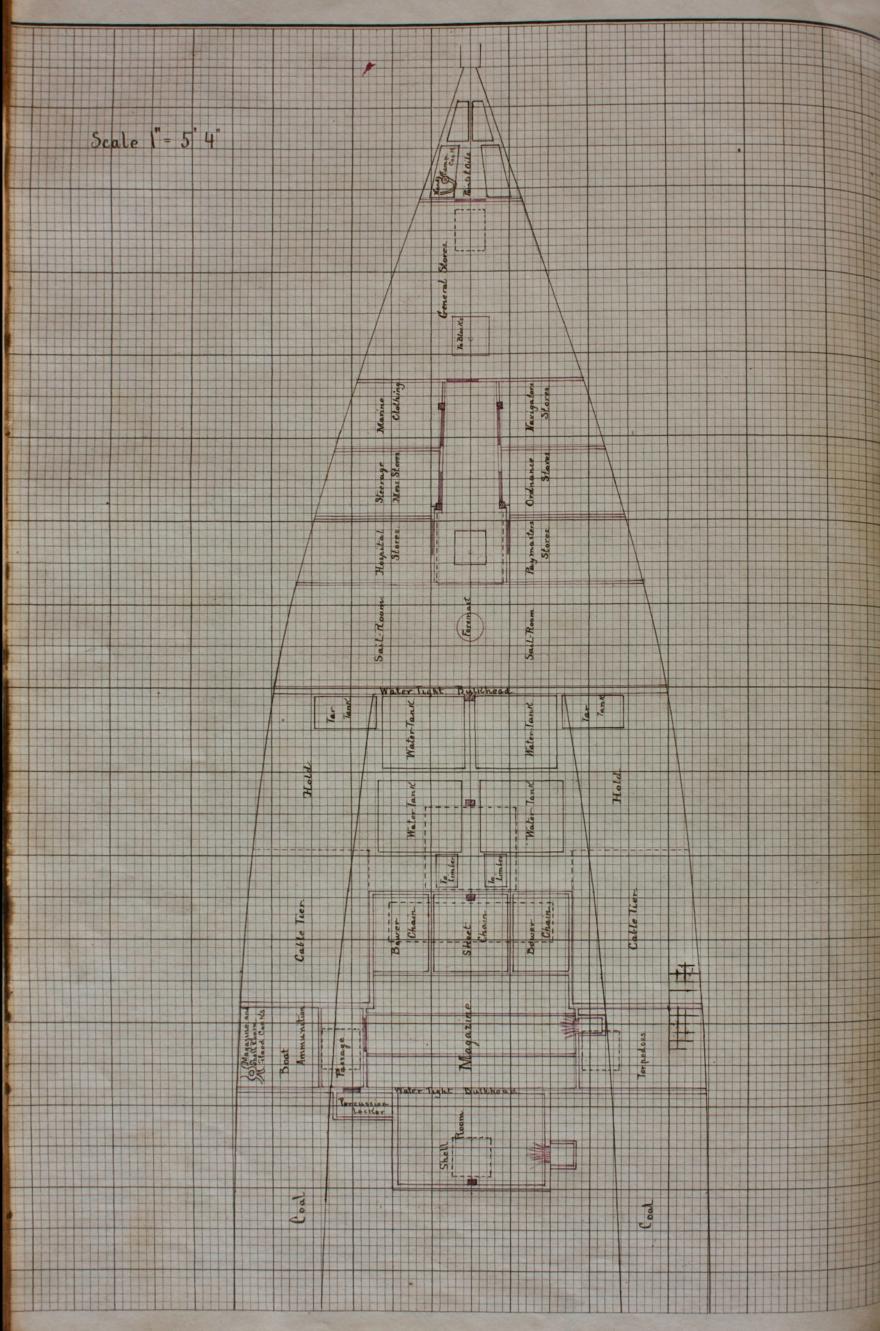
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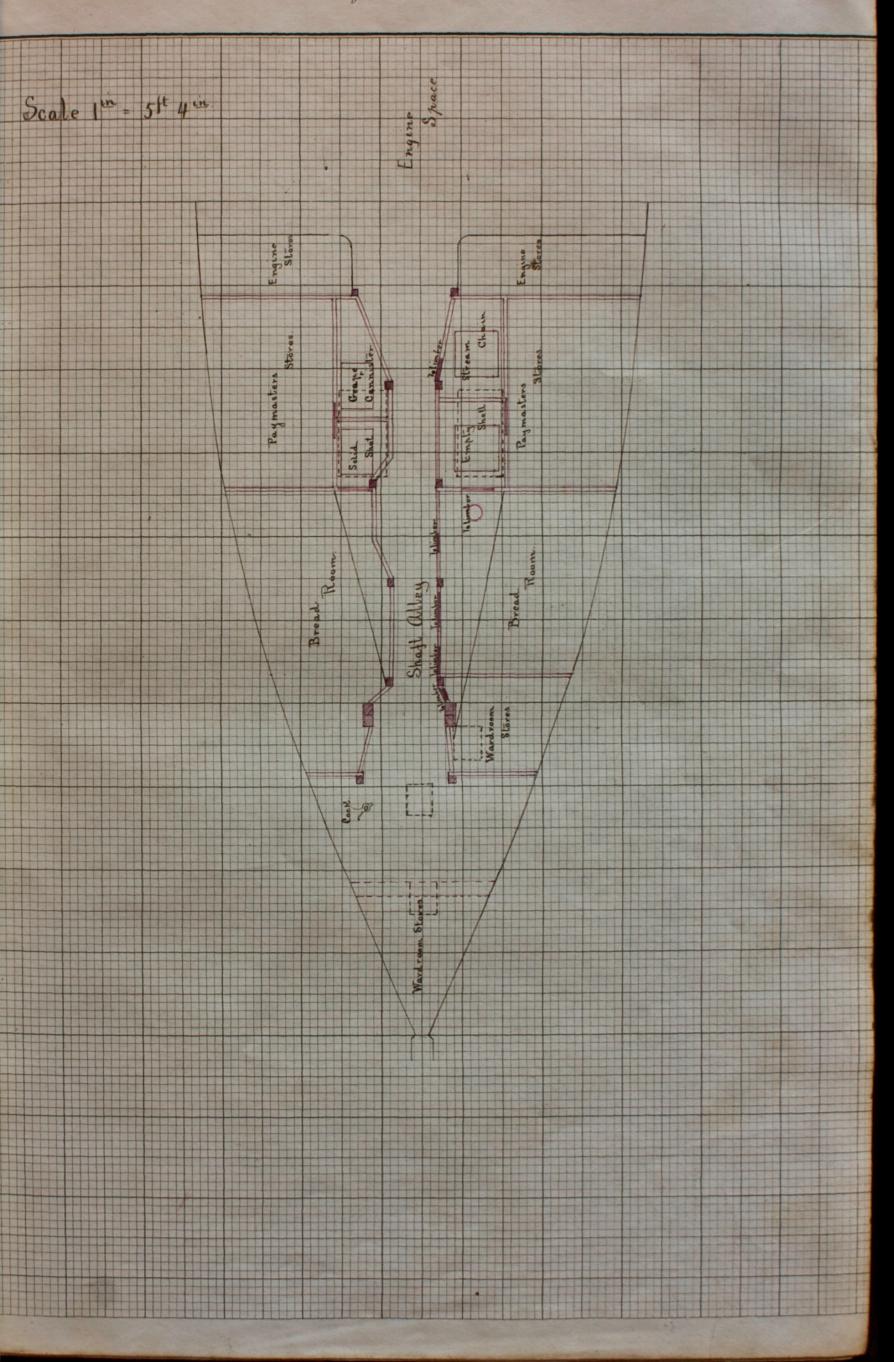
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PLANS AND SECTIONS OF

Commanded by alex A. M. Cornics, Counds. U.S. Navy.



furnished at the Navy Yard League Island, Penn. November.



COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of The U. S. Ship Essex" 3 Rate. at first commissioning,

, 1881 .

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Of the U. S. Ship Essex" 3 Rate.

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OBSERVATIONS for determining the LOCAL DEVIATION of the Standard

Compass on board the U. S. Ship Essex 3 oRato

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OBSERVATIONS for determining the LOCAL DEVIATION of the

Compass on board the U. S. S

DATE:

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Magnetic Variation, degrees minutes, at same time and place.

LANDMARK OB		BEAR	RINGS TAKEN BY Compass.	LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR		
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		y					
	-	NORTH.					
		N. N. E.					
		N. E.					
		E. N. E.					
		EAST.					
		E. S. E.					
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		S. S. E.					
		SOUTH.			-		
		s. s. w.					
		s. w.					
		W. S. W.					
		WEST.					
		W. N. W.					
1	-	N. W.					
		N. N. W.	The state of the s				

Variation of the Compass by

League Island Navy Fart Pal

		9		Viana			ar										
		1	To the same of the		WINDS.			BAROME	ETER.	TEM	PERAT	URE.			Hear other		
	Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M																
	1																
	2																
	3		-														
	4																
	5																
1	6	-	-								-						
-	7																
-	8																
-	9																
1	10																
-	11																
-	Noon.																
L																	
		Distar	ice ri	in by Log since prec	eding Noon									knots	fath	oms.	
				D. R. at Noon										•	-	"	
	Longitude by D. R. at Noon																
Latitude by Observations at Noon⊙ "																	
Longitude by Chronometer from Forenoon Observations⊙ "																	
Current during the time knots fms. per hour, setting to the																	
Variation of the Compass by Amplitude ⊙ observed at Sunrise																	
				of the Compass by A		at								•	,	"	
				ended during the pre												lons.	
		Wate			during the prec	ceding	24 h	ours								".	
				aining on hand fit fo												"	
				med during the prec										ons		lbs.	
		Coal	rema	ning on hand at Noo	on								15	" —		"	
	D M	1	1														
	P. M.																
	1 2																
	3							29.84	57	59			0.	nemb	,		
	4							29. 84					"	raniv	4		
	5							29 82					oed	"	6		1
		m.	and	hodock Line				29 80	1				"	7	0		
	7	4	and	havy Ford.			1	29 84	1000	1000					0		
	8							29 82					ocy	",	9		
	9				SSW	7		29 79					,		9		
	10				"	7		29 79	1000				"		,		
	11				ser	2		29 78					,	"	1		
	Mid.	1			"	3		29 77					"		1		
		1	1	-					-								
		Longitude by Chronometer from Afternoon Observations ⊙ "															
		Lon	gitude	by Chronometer from	om Observations			*						0		"	
		Var	iation	of the Compass by	Amplitude obse	rved a	t sun	set						o	,	"	
		-															

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

at 1 Bm It bounds it. b white as the representation of the bourmandant of the Yard put the Ship in Commission, and bounds at mc Commick assumed command reading his orders, a copy of which is appended. The following named officers were on board sevent to duty viz. Comed att M Comick, usnay Comig, Lieut m R & Mackenzie, Leich Hr. H. Parker, Triat C. P. Rees, Trent et Rellogg, Master w.m. Inim, Lungon m. L. Ruth, Chf Eugr D. P. Mc Cartney, P. a. Payi L. d. yorke, assist Engr J. J. Hoffman, 1st Lieut O. C. Benyman ugte, Cader Midshipman H. C. Haires, G. P Blow, Ges Barnett, H. LR Emmett, Cader Eug's Beington, DW & Redgrava, and W. A. Saulty. Reced from W.S. R. S. St. Louis the following crew, viz, 1 Capt Fof, 25 Seamen, 12 Or Seamon, 7 Landsonen, 2 Sea E.F. Ournau, + 1 master ar arms. There was on board at the time of going into Lieutenant usm

Remainder of a atch receiving stores. Rainy, disagreeable weather. Blowing a moderate gale from So Host (legt) Wariarish Keelogg Lieutenant upn

Overcast + racing. Fresh breze from & vev = (ogs) bt. Rees Luiderant upn

From 6 to 8 BW

Overcart & cloudy, Strong brege from We with occasional moderate equals,

Moderating at close of watch.

(syd) & M Snine Master up

From 8 Bw to Midnight:

Colondy. Passing showers, Strong bruge from So teve until last hour of watch. when bruge gradually decreased to light airs.

(Rgd, W. Kellogg Limburant upp

moon's declination at local midnight = 15° 54' 411" no - Full moon

Examined and found to be correct.

LOG of the United States Ship Essex"

Variation of the Compass by

League Island chavy Fard Pa

	Xe	1		an cra	1	0										
				WINDS.			BAROME	TER.	TEM	PERAT	URE.			ear bs.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb,	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1				24.	2		29 77	58	58			oc	nint	U		
2				Hxd	3		29 7%	10000	57			7	",	0		-
3				HX 8 HAH	2		39 7%		59			,	',			
1				"	2		29 75	58	5%			,	,	0		
5	m	loon	I to Dock.	,	2		2971	57	0-1.			80	,	1		
6				,	2		29 79	5%	14			c	Stra	1,		
- 7				,	2		29 811	5%,	55			"	,,	1,		
8				,	2		29 85	57	54			,	"	9		
9				2x x6	2		29 81,	57	0.2			,	,	9		
10				24	2		29 87	5)	5%			,	"	9		
11				,	2		19 89	18	58			,	,	9		
Noon.				,	2-4		29 89	58	18			*	,,	9		
		-														
I	Distan	ce ru	n by Log since prec	eding Noon									knots	fath	oms.	
	Distance run by Log since preceding Noon knots fathoms. Latitude by D. R. at Noon															
	Latitude by D. R. at Noon Congitude by D. R. at Noon Congitude by D. R. at Noon															
Longitude by D. R. at Noon Latitude by Observations at Noon """ """ """ """ """ """ """																
Latitude by Observations at Noon O																
Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″ Current during the time knots fms. per hour, setting to the																
			f the Compass by A											,	"	
			the Compass by A										•	,	"	
			nded during the pre											gal	lons.	
	Vater		adea during the pre	during the pre	ceding	94 h	OURS								"	
			ining on hand fit fo		coung		Ours								"	
-			ned during the prec									1.	one 12			
			ning on hand at Noo									13	ons 12 a	1,	108.	
	Juan 1	eman	ing on hand at Noc	OII												
P. M.																
1		1	and t	Hn H	3		20 00	1-	59				loir	9		
2			oun to		2		29 88	2000				nc	reir	9		
3		0	och	"	2		29 88	100000	,			"	"	9		
4				"	2		29 89	1	59			,	bir Ste	9		
5				,			3001		1-1,			1	on va	10		
6				"	2							1	"	10		
7				"		•	29 95	1				1	"			
8				"	1		-	64		1000		,	1	10		
1000				nn k	1		3,09		10000			1	"	10		
10					1				48			,	1	10		
11		1		,	/		3004		49			"	"	10		
Mid.				"	1		30 05		11/			"	"	10		
L.				"			30 05	00	1			,	"	10		
Longitude by Chronometer from Afternoon Observations Longitude by Chronometer from Observations * * * * * * * * * * * * *																
							*						•	-	"	
	v arı	atton	of the Compass by	Amplitude obse	erved a	it Sur	iset						0	'	"	

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & write 4 am.

over cart tevet: light variable wirds.
(sys) b.P. Rees Luiterants up

From 4 to Face

Pleasant eventher, Light breeze from ev re ev. Barometer rising. Reced on board in Paymenters Deft 100 lls fresh beef 45100 lls vegetables, for use of creev.

(pgd) H.M. Irvin

Master eye

Som fain to mendian

blear & cool, light breeze from Hx Ho. hauling to sie tfreshening last hour.

at 920 went to quarters and mustend the crew. The following manuel men were allowed liberty until 7 and tomorrow, James Camerow (Sea, L. J. Schuman (Sea) James (Kelly (Sea), Henry Hudson (Sea) Halter L. Dieney (Lds) Hung bader (OSea, and Patrick McDrinell (Lds), (pgs) Wainingh Kellogy.

Levilinant ugw

From Mendian to 4 Pm Co Ever Barmetw ving. Sent visiting faily bet Louis". (4gd) b. P. Rees Levilouent your

From 4 to 6 Pm Oleas aut weather. Very light brieze from 4 in W. Visiting faity ultimed from 'St Louis'. (200) & M. Frois Mastro upm

From 6 to 8 Phs
Clear & cool. Light airs from M' + ev =

(40) W. Kellogg Trenterant upo

Em. 8Pm to midnight.
Clear & cool, bright startight, Light airs from no + ++-.

(pg) b.P. Reser

Levilinaut ugw

movis declination as local midnight = 12° 25 59" to; last quarter.

Examined and found to be correct.

Lieitenant &

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

IC CHILLDS				
League	ale .	atan	Sand	Pa
deague	Ostana	lary	0000	- a

		. (League	Osland	010	any	4	Jus	0	-	a						
-	1 1			WINDS.		1	BA	ROME	TER.	TEN	IPERAT	URE			1.5		
Hour	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.			Ther.	-	-	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vesse at end of watch.
		Fatl			-	Lec	IIIC	uco.		Bulb.	Bulb.	surface.			Pro		
A. M	1			,									1				
1	m	me	Sto Dock.	Calin	11		100			41			8	Anu	10		
2				"	0		1000	-	1.5				"	"	10		
3				,	"		100			44			,	",	10		
1				*	0					44				".	10		
5	1			7	0				1.4				c n	"	10		
6				7	0				14					"	10		
7				"	0				1.4	0000			7	"	10		
8				"						49			"to	Cu' Cum			
9				2h	2				1,4	1			"		8		
10				H84	3		1000			55			,	"	2		
11				11011-	3		1000			5%					7		
Noon				,			20		"4				*	"	7		7
			n by Log since pred	ceding Noon										knots	fath	ioms.	
			D. R. at Noon						-						,	"	
			y D. R. at Noon												,		7
			Observations at No			•										"	
				m Forenoon Obser										•	',	"	
			ing the time		fms. per			ting	to th	е							
				Amplitude O obser		Sunr	ise							•		"	
				zimuth ⊙ observe	ed at									•	,	"	
		exper	nded during the pro													lons.	
	Water			during the pro	eceding	24 h	ours									"	
			ining on hand fit fo														
	Coal co	nsum	ned during the prec	eding 24 hours										ons 22		lbs.	
	Coal re	main	ing on hand at No	on									12	"91,	5	"	
	TI				TI			1								-	
P. M.				11 0-1			-						d	ø,			
1	no	ml	to Doon	484	2				1,3	10000			ben	Cu	9		
3			-	"	2			373	1,3				"	"	9		
3				"	2			1		00			"	1	9		
4				"	2					55			1	"	9		
5				West	2				1,2				"	"	9		-
6				"	2		12.00		1,3	10000			Clear	how	10		
7				"	1				100000	4.9			"	"	10		
. 8				"	1		-		1000	54			"	"	10		
9	-			Calin	0		1000	200	1,3	72000			"	"	111		
10	-	-		"	11				70000	12			1	"	111		
11	-			"	11				1/2			-	1	"	111		
Mid.				"	11	,	30 .	23	112	48		•	"	"	111		
-																	
	Longit	ude l	by Chronometer fro	om Afternoon Obse	ervation	8 0								•	,	"	-

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Sentil 4am. bleart calm. Bright moonlight, and stailight.

(sys) w.m. Irvin master eyn

From 4 to face blear, cool, pleasant tealen. Reced in Payr Dept 100 lls Fresh Buf and 100 lls Vegetables.

(25) Warringhr Kellogg.

Leintenant 2yn

From 8 to meridian Thom & to mendian
Clear offices aut. Light breez from 24 & A, chang your working at work about decks. Crew taking in stones in various departments. Receiving evalue.

(egd) b. P. Rees

Levilinant upw

From Meridian to 4 P.M. Pleasant eventher, hazy around the horizon. Light breeze from It St.

Continued taking his stones in Equipment, Ordinance, changitionis and Engine
Departments. Finished taking in evater. Navy your workmen at work

about Span deck.

(Sgs) W n Irvin

From 4 to 6 Rm Clear and pleasant, very light breze from Hest. Ho orited in launch and troke in strenge stores, raw jour our & cleaned of decks.

(egs) WB S. Mackingio Lewitmanh you

From 6 to 8 Pm.
Clear Apleasant. Zight breeze from 240.
(Ags) le Reis. Lewilenant you

From 8Pm to midwight.
Clear xcalew. Bright starlight. Borometer facting.
(Sgs) W. M. Iranin Master Ugn

morn's declination ar local midnight = 8° 28 48" H. Past quarter.

Examined and found to be correct.

Lieulenaut & Navigator.

LOG of the United States Ship Esser"
League Island Stary Yard Pa

					WINDS.			BAROMETER. TEMPERAT		TEMPERATURE.		State of the Forms of		Clear Oths.	0		
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M	m	7774	tu Dock	454	3		3, 2,	1.4	49			be	Cir	9		
	2					3		3, 2,	100	10000			,	,,	9		
	3				"	3		3, 22	1,4	49			"	"	9		
	4				,	3		31 25	1.11	47			"	1	9		
	5				of of	3-6		3, 21,	55	41,			beg	"	9		
	6				1	3-7		3, 28	50	45			,	",	9		
	7				,	3-6	,	功 32	49	43			,	,	9		
	8				,	3-7		34 3%	49	41			,	",	9		
	9				,	1.	,	3,44	57	41			',	none	10		
	10				,	6		3, 48	1. 11.	44			,	"	10		
	11				"	2	_	3, 49		_			,	lei Sto	- 8		
1	Voon.				,	7	+	30 49	58	48			,	Cir	6		
Distance run by Log since preceding Noon knots fathoms.																	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	, ,,
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙	•	. "
Longitude by Chronometer from Forenoon Observations ⊙		, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	0	, ,,
Variation of the Compass by Azimuth ⊙ observed at	•	, ,
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		".
Water remaining on hand fit for use at Noon		"
Coal consumed during the preceding 24 hours	/ tons	/10 lbs.
Coal remaining on hand at Noon	11 " 9	115. "

Р. М.					,			
1	moons to Dock	new	5	211 27	5847	beg	Cir	8
2		"	5		11 48	"	"	9
3		"	5	311 54	1.448	"	",	
4		,	3	31,59	1.441.	,	nome	
5		,	4	3,58	1845	"	"	111
6		,	2	30, 14	18 44	"	"	111
7		"	1-2	3, 17	11/44	6	"	111
8		24	1	30 70	1.543	"	,	11)
9		A	1	3, 71	1.041	"	"	111
10		"	1	3,71	1.7 411	,	1	111
11		,	1	21 711	711 39	,	,	111
Mid.		"	1	30 70	70 38	"	"	111

Longitude by Chronometer from Afternoon Observations ⊙	٥	,	"
Longitude by Chronometer from Observations *	0		"
Variation of the Compass by Amplitude observed at Sunset	0	,	"
Variation of the Compass by	0	,	"

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences suntil 4 am.

From 4th 8am les blowing in heavy equalls from 20 W. Reced on board.

100 lls fish buf x 100 lls vegetables. Mustered the crew at 2.45.

(ogs) b.P. Rees

Leculturant up

The fam to meridian Clear forth from puffs from n to Continued taking we stores in the various departments. (pgs) win drain master upo

Mendian ti 24 Pm

Clear, cool, I pleasant. Fresh breze from 20°4 st. Vide changed to flood at 3,45 Reciency stores.

(Spo) Warringto Keelogy

Lewiterant again

From 4 to lo Om Elear toool, gentle breeze from A H.

(Ago) b. P. Rees

Tenilenant Ugn

From 1, t. 8 PM.
Clear & cool, light brege from At Ho, veering to He. Bright startight.

(Ago) W. Ko. Inoniv.

Master Up.

From 8 Bu to Midnight.
Clear & cool. Light breeze from no.
(970) Wanninghe Kellogg
Shewiteraut 290

moon's declination as local midinght = 4° 11' 18" 21. Part quarter.

Examined and found to be correct.

Variation of the Compass by Amplitude — observed at Sunset

Variation of the Compass by

l is under

	Each of Conventional Direction Comp & Di	9	200	ag.	ue Tela	ud Ora	roy	1	Taed		Pa	-						
A. M. Merica 2	Distance run by Log since preceding Noon Latitude by D. R. at Noon Latitude by Chromometer from Foremon Observations © Current daring the time Knots fina, per hour, setting to the Variation of the Compass by Animath O observed at Water emaining on hand all for use at Noon Coal consumed during the preceding 24 hours Water emaining on hand all for use at Noon Coal consumed during the preceding 24 hours Water emaining on hand all for use at Noon Coal consumed during the preceding 24 hours Water emaining on hand all for use at Noon Coal consumed during the preceding 24 hours Water emaining on hand all for use at Noon Coal consumed during the preceding 24 hours Water emaining on hand all for use at Noon Logitude by Glutonometer from Foremon Observations © Logitude by Glutonometer from Foremon Observed at Water emaining on hand all for use at Noon Latitude by Chromometer from Foremon Observed at Water emaining on hand all for use at Noon Logitude by Glutonometer from Foremon Observations © Logitude by Glutonometer from Afternon Observations © Logitude by Glutonometer from Afternon Observations © Longitude by Glutonometer from Observations ©		1	_		WINDS.	0		BAROMI	TER.	TEM	PERAT	URE.			enr lis.		
Ment	Merca of a Becol	Iour. K	inots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Cl. Sky, in 10th	of the	Record of the sail that end of
	Merric Is Sec. I. 1 3.9 2 20 25 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M		1												102		
2 3 4 7 1	Distances run by Log since preceding Noon Latitude by D. R. at Noon Longitude by Chronometer from Foremson Observations O Current during the line knots fina. per hom, setting to the Variation of the Compass by Animath. 0 observed at Water expended during the preceding 24 hours Water Water expended during the preceding 24 hours Water Water expended during the preceding 24 hours Coal consumed during the preceding 24 hours U Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours U Water expended during the preceding 24 hours U U U U U U U U U U U U U		mos	red	to Dock	A	,		31 72	711	38			f	home	111		
A 1	Distance run by Log sinos preceding Noon State St					,	,							",	",	11,		
5	Distance run by Log since preceding Noon Battinde by D. R. at Noon Latitude by D. R. at Noon Current during the fine knots fink, per hour, setting to the Variation of the Compass by Amplitude © observed at Saucios Variation of the Compass by Amplitude © observed at Saucios Water expected during the preceding 24 hours Water during the preceding 25 hours Log during the preceding 26 hours Log during the preceding 27 hours Log during the preceding 26 hours Log during the preceding 27 hours Log during the preceding 28 hours Log during the preceding 26 hours Log during the preceding 27 hours Log during the preceding 28 hours Log during the pre	3				,	,		3078	711	31,			"	,	111		
The state of the Compass by Amplitude O observed at Suncision Variation of the Compass by Am	Distance run by Log since preceding Noon Latitude by D. R. at Noon Longitude by D. R. at Noon Longitude by D. R. at Noon Longitude by Chromometer from Formono Observations © Current during the time knots fashours. Water capsoded during the preceding 24 hours Water capsoded during the preceding 24 hours Water during the from Anoth for use at Noon Coal consumed during the preceding 24 hours Water during the preceding 24 hours Latitude by D. R. at Noon Longitude by Chromometer from Anternoon Observations © Longitude by Chromometer from Anternoon Observations © Longitude by Chromometer from Anternoon Observations © Longitude by Chromometer from Observations ©	4				,	,		31, 811	711	35			"	,	111		
To see the second secon	Distance run by Log since preceding Noon Latitude by D. R. at Noon Latitude by D. R. at Noon Longitude by Chronometer from Forenoon Observations © Current daring the lime knots fins, per hour, setting to the Variation of the Compass by Animuh © observed at Sunrièe Variation of the Compass by Azimuh © observed at Sunrièe Variation of the Compass by Azimuh © observed at Sunrièe Water expended during the preceding 24 hours Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours ### A P	5				,	1		1	1	-			"	,	111		
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	Longitude by Chronometer from Observations *																	
	Variation of the Court of the C					om Observations			*						•	,	"	

Wednesoay Nov? 16 £, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes & until 4 am blear & cold; light airs from 2° Barometer rising (Lew b.P. Rees Lewiter auch 290)

From 4 to 8 acc. Very light breeze from A. Reces on board in Payer Deft 100 lls fush buf, + 100 lls vegetables. for an of ships company.

(Ago) How Inniv

Master ugo

From 8 am to meide ain.

Cool & pleas aut. light breeze from Soft 24. Recisiony stores.

(Ago) Warningho Bellogy

Lewitenant ogn

Tim Mendian to 4 PM Clear & acol. Light breez from H- Receiving stores.

(sego) b. P. Rees

Levilenant you

From 4 to 8 Pm Clear of learnest. Light bruge from Soft of Reciency stones find home of watch.

(40) W. Kellogg

Suiteward you

From 8Pm to midnight Clear & pleasant. Light airs from So. Barmeter facting (20) BRRees Limitinant you

moras declination ar local midnight = " 18 3 7 5. Part quarter

Examined and found to be correct.

Linkwant & Navigator.

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League	Daland	Tacy	Jan	va
1		1		

			WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is un at end of watch.
A. M	2.		to Dock	Calin	,		3, 1,9	11				1	atone	10		
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3				"	1		301,9	1,2	42		-	",	"	111		
4				"	"		3,19	8,1	41			"	"	11,		
5				,	"		3,1,5	1,3	41			be	Sto	9		
6				",	"		30 1.5	1,7	42			"	,	9		
7				"	1		3, 1,5	1.5	411			,	"	9		
8				,	"		3, 1,5	15	43			v	Now	10		
9				,	11		3, 15	1.4	4%			,	,	11		
10				,	"		3, 1,5	17	49			,	"	111	,	
11				South	,		3, 14	1.4	48			,	"	11		
Noon.				8874	2		3, 62	1.1.	5%			"	"	11)		
	Distan	-	n by Log since prec	anding Noon									knots	fath	ome	
			D. R. at Noon	cuing 1400m										,	oms.	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon		, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, "
Longitude by Chronometer from Forenoon Observations ⊙	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		"
Coal consumed during the preceding 24 hours	1 tons 7	les lbs.
Only ampiring on hand at North	8 ,22	25 "

P. M.							
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6		',	,	3,53 17 5%	",	',	3
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_ 11		"	2-3		"	"	4
Mid.		4	2-3	3, 42/1/, 57	,	"	3
-			1		WAR TO SHARE THE PARTY OF THE P	THE RESERVE OF THE PARTY OF THE	

Longitude by Chronometer from Afternoon Observations ⊙		,	"
Longitude by Chronometer from Observations *		,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by	0	,	"

under the command of alexai Amc Connick Commander, U. S. Navy, Thursday mor 17 th, 188! RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commince Huntil 4 auc.
Commince Neutil 4 auc.
Commince Neutil 4 auc.
Bright moralight Astarlight.
(ogs) W ru Imin
Martin Vyn From 4 to 8 acce
Clear, cool, pleasant, Calm. Bright mornlight first haef of ev atch. Flore
tide during watch. Storing hold (200 Warningher Kellogy
Lewiterant Myn. Time 8 au for mendeau finst harf of watch. Light heey from Statte fact.

Clear theorem, Low water at 11.50 (20) CRRess

Luilinant eggs. muidian to 4 mm Sight beege from Si, Jaking in closes. Am J. Benneth Cay Fee, was granted see home leave, Side summing ett.

(2) 10 m, Frims

Master you

Thom at 1.0m

Clear opleasant. Light airs from Si, Receiving stone. Heigh water at v. 50.

(2) Lewitement upon

From 1. to 8 BM Eloudy with light wind from St., facting bownetter; falling tide.

Stoney with light wind from St., facting bownetter; falling tide.

Leculeurant Ifn.

From 8Pm to midnigh.
Eloudy and mild . Light air from So, hawling to Sow and furhening.
Baronetter falling, Vide turned at 11.15. (pgs) with Insin
Warter Eyer

Morn's declination as local midnight = 4. 52. 36 'S. Pact quarter

Examined and found to be correct.

LOG of the UNITED STATES Ship "Essex"

		,	
League Island	Navy	Yans	Pa.

•	La	que		Island	Aay .	Yan	5	Pa.									,
					WINDS.			BAROME	TER.	TEN	PERAT	URE.			ecr 18.		
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea,	Record of the sail the vessel at end of watch.
	A. M		med	to Dock	SSIP	3-4		30 210	1"	5%	23		20	Cum	4		
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	Noon.				,	1		30 14	"/	"/	/		oca	"			
-																	
		Distan	ce rui	n by Log since pre	ceding Noon									knots	fath	oms.	
Latitude by D. R. at Noon																	
Longitude by D. R. at Noon																	
	. 1	Latitue	le by	Observations at N	oon O									•	,	"	
		Longit	ude b	y Chronometer fro	m Forenoon Obser	vations	0							•	,	"	
		Curren	t duri	ing the time	knots 1	fms. per	r hou	r, setting	to the	е							
					Amplitude ⊙ obser	ved at	Sunri	ise						•	,	"	
					Azimuth ⊙ observe										,	"	
				ided during the pro											rol	lons.	
				idea during the pro		3.	011									ions.	
		Water			during the pro	eceding	24 h	ours									
				ining on hand fit for										/		"	
		Coal c	onsum	ned during the pred	ceding 24 hours								/ t	ons /, /	, ()	lbs.	
	-	Coal n	emain	ing on hand at No	on								7	" 15%	5	"	
Ī																	
1	P. M.																
	1;	non	~	tu Dock	non	. 4		3, 11	1.5	1.2	58		oct	mini	1		
1	3				824	4		31, 08	1000					Sti nim	2		
	. 3				,	3		In 118		2000	1		* 1		,		
	4				,	2		E, 118					ocv	mind	0		
	5				",	,		In 09			1000			Sti Sim	1		
1	6						1000	31, 11					be	au run	8		
1	7				Calu	11							"	"			
1								30 115			1		4,	5	9		
1	8		1		0 26	0		31, 114	,				blear	rome 10.00	10		
-	9				8 %	3		31 1111			1		00	Cu' Cum	1		
-	10				"	4		3991	12	1,2	28	-	"	"	8		
	11	1000	1000			V		20 911	1/2	1.5	18	1	1.		*		

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

Mid.

under the command of alexai H M Connick Commander, U. S. Navy, Friday Fromber 18th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communices Ventil 4 am Clear ofle as aut. Moderate to fresh brieze from So + Wo. Baros weter falling (Sgs) Wainingho Kellogg Lintenant ugen From 4t.8 am Cloudy & pleasant, moderate brege from & & H. Barrete falling.
(April 6. Reer Saintenant Type. From Face to Mudian Cloudy threating weather, light dringling rain at close, strong breze with frequent squalls from SS It to It Steigh water at ""." Receiving Stores, in the different departments, By order of Comog Officer released abraham ott, aportecan, fun confinement, and autil further orders, he side , and about the deast. The copy workmen engaged in paniting whips side, and about the deast. Togo workmen engaged in paniting whips wide , and about the deast. Togo workmen engaged in paniting whips wide , and about the deast. From muidian to 24 Bm Cloud Apleasant Light breeze from Sovest: Reviewing stones. Two bayes mit I coal for the Ship cause alongseide.

(ogs) Wainingha Kellogy

Liviturant 29N From 41.1. Por Clondy Lucion. vary light air from St. By order of borning officer confidence michail Sheean (Sea) in double inous for being drunk and disorderly.

(90) Win Irvin I Master ugn From 1.7. 8 Bm
Clear twarm. Light airs from St. and later Calin. Barometer falling.

(pg), no R S Mackengie

Luciterant you Finn 8Pm to midnight Clear foleasant. Light to fuch breeze from & +++ ?

Examined and found to be correct.

Limiteriant & Navigator.

League Island Navy Jand Pa																
				WINDS.			BAROMI	ETER.	TEN	(PERAT	URE.			ear ns.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M			to Dock	Su	1,		29 89	1/2	1,2	18		La	loi leun	8		
2	110	ares	4 2000	"	4	1000	29 88	12.00		1000	100000	00	Cir Sim			
3				ws. st.	5		29 08	1000		19:20	100	be	Cum Ani			
4				24	5		19 88	1000		1		,	",	1,		
5				",	3	100.00	E9 89	100	13 50	100000			,	2		
6				,	2		29 90	12000		10000		,	,	1		
7				21824	2		29 91					7	,	1		
8				"	2		19 92		1				,	,		
9				9/x of	2		29 89		-			,	, ,	2		
10				,	2		29 88	1		200		,	Ci	5		
11				,	4		19 87			10000		,	,	8		
Noon.				24	4		eg 8%		1000			or	how	10		
	Distar	nce ru	in by Log since pred	eeding Noon									knots	fath	oms.	
				Ziona											"	
	Latitude by D. R. at Noon Congitude by D. R. at Noon Congitude by D. R. at Noon														"	
			Observations at No	oon O											,,	
			by Chronometer from		votions	0							.0	,	,,	
			ring the time				r, setting	to th	•							
								to th	e				0	,	"	
			f the Compass by A			Sunr	ise							,	"	
			f the Compass by A		ed at											
			nded during the pre		1.										lons.	
	Water		1 16.6	during the pro	eceding	24 h	ours									
			aining on hand fit fo										/			,
			ned during the prec									1	ons 1/1.	, -	lbs.	
	Coal	remai	ning on hand at No	on								"	" 141.	U	"	
Р. М.																
	2		12	111 (4	,			,,	,	,			loun			
	non	ms	boock	いとれ	3		29 87					oc.		"		
2					3		2992	1000	1223			ocd	",	1		
3				"	3-5		2992	10000	100000	100		o C	"	"		
4				Hest	3-5		2994		100			*	2 .			
5	1				3		2994	100				ocd	huis	"		7.
6				"	2		2995			U4		"	',	"		7
7		1		',	3		29 99		1000			1	",	"		
8				* 22 *	3-2		3,111		1000			"	"	0		
9				11102	3-5-	0000	211 115		1000		1000	ocdq	1.	0		
10	-	-		. "	3-6		3, 09	10	49	40		"	"	0	-	

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude — observed at Sunset Variation of the Compass by

11 Mid.

Master typo

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences questil 4 according from & H. hauling to Ht. lelondy & mild. Fresh breeze from & H. hauling to H. H. Master upo

Fresh beef + 100 ll pegetables. Dide turned at 6.45.

From 8 to meridiae Comments of the freeh bruge from Soft to By order of Coming officer Patrick A. Sheear (Sea) was placed in Rolling confinient on bread and water for 5 days for being drunk on duty. At 845 mustured at quarters.

Receiving stores, & coaling ship. 46 true of coal recis at end of watch.

(848) Waringher Bellogy

Luitenant eyen.

muidian to 4 Pm

Overast with occasional light driggling rain. Gentle to moderate bregs from

At 4st ? Receiving stens scoraling ship. Aary Jaro worknew enoplayed on brand.

Rices from 16 & R. S. "It Louis" with bags thanmocks, the following men in Joseph

B. King Ken, John b. Whitcomb (Leas, Chao H Orndoff (Las), and Chao Jacobs Las.

(Ago) b. P. Rees.

Switzmant ugw

From 4 to 16 Pm Overcast volondy with light drygling rain during midale of watch. Light buye from the A th, hawling to 3th. Finished coaling ship, having taken in 98 1240, tous.

1930 St. Mb Frim

Master uga.

From 6 to 8PM Overcast, with ravi at intervals, would from It's falling barometer until 7. o'clock when it began to rain, factoring tide. (vgs) with Parker Secule and vgn

From 8 Bu to midninghe.
Overcast, driggling, designmable weather, wind blowing in feeth squals from host.

Spor C.P. Rees.

Theilemant 272

moon's declination at local midnight = 13° 31 " 16 B. last quarter.

Examined and found to be correct.

Lieutenaut & Navigator.

LOG of the United States Ship Essex

Lance	Felaud	Island Chary	Yard	Pa
- Lingue		1	1	

1			A STATE OF THE PARTY OF THE PAR							-					-	The Control of the Co
				WINDS,			BAROMETER.		BAROMETER. TEMPERATURE.			State of the	Forms of	Hear ths.	State	
Hour.	Knots.	Courses steered.		Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	337	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.		ere.	to Dock	74.74	4-6		30 16	73	41	42		beg	chairs	7		
2					4%		In 22	13	15	42		beg "	",	9		
3				,	4.1		34 27	72	43	40		,	,	1,		
4				,	3-5		31, 32	71	42	38		"	",	1,		
5				"	3-5		3, 44	311	38	35		"	"	8		
6					3		30 571	12	40	38		,	Pú .	6		
7				,	4		30 52	32	58	87		. "	"	6		
8					4		3, 54	32	31,	34		"	7	6		
9				ch sh	4		34 5%					1	,	8		
10				4	5		34 07					1	"	9		
11					4		31,09	711	39	37		,	Ci Cum	8		
Noon.				,	4	1	3, 58	13	41	38		"	"	5		
	Distar	nce ru	in by Log since prec	ceding Noon									knots	fath	oms.	

Distance run by Log since preceding Noon	kno	t8	fath	ioms.
Latitude by D. R. at Noon		•	,	. "
Longitude by D. R. at Noon		•	,	"
Latitude by Observations at Noon ⊙		•	,	"
Longitude by Chronometer from Forenoon Observations O		•	,	"
Current during the time knots fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊙ observed at Sunrise		•	,	"
Variation of the Compass by Azimuth ⊙ observed at		•	,	"
Water expended during the preceding 24 hours			gal	lons.
Water during the preceding 24 hours				"
Water remaining on hand fit for use at Noon				"
Coal consumed during the preceding 24 hours	tons	19	111)	lbs.
Coal remaining on hand at Noon	1115"	17	45	"

P. M.												
1	mom to Dock	NA	4	3,	59	75	HE	38	Le.	bir bum	5	
2		"	3	3,	59	75	42	39	"	"	6	
3		"	3	31,	6.,	74	42	39		"		
4		"	3	3,	1.3	71	42	39	"	,	8	
5		balew	"	3,	1,2	>3	43	411	The state of the s	Sto		
6		.,,	1	3,	12	7"	43	411	0	home	10	
7		"	"	30	1,2	1.8	42	411	oc	lei sti	9	
8		"	10	3,	1,2	1.1.	42	411	,	"	9	
9		"	11	3,,	12	1,5	41	39	4	None	10	
10		,	1	3,	1/2	14	411	38	"	"	10	
11		"	1	3,,	1/2	1.4	39	39	"	"	10	
Mid.		"	0	3,	1,2	1,4	39	39	"	"	10	

Longitude by Chronometer from Afternoon Observations ©	•	,	"
Longitude by Chronometer from Observations *		,	"
Variation of the Compass by Amplitude observed at Sunset		,	"
Variation of the Compass by at		,	"

Sunday Inventor 20, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences tentil 4 am

Partially cloudy. String breeze with frequent squares from It to It. Bommeter

riving proprietly.

Master ugw

From 4th Faire Moderate bruge from not. Barometer riving. Monstead at greaters at 9.30, all officers appearing in feel dress, Tide remaining flood.

(Ago) CRRees

Levillenant ugw

From 4 to 8 am Clear & cool, moderate bruge from H. Ebb tide during watch.

(294) Wainight Kellegg

Suntuant 290

Finn meridian to 4 And Blear Apleasant, light brege finn no st. Sent a liberty faity on shore. High water at 12.15 (ogs) W.M. bring Mo aster regn.

From 4 to 6 Pm Clear Apleasant. Light air and colon. Ebb tide during evatch.

(ogd) Wheelogy

Leenlenant y

Finn 1. t., 8 PM Clear aut. Calm, bright startight
(Syd) le P. Ries

Zuidterant Ugn

From SPM to Midnights
Clear Healen. Bright Sailight, Tide running frod duning watch

(ogs) W. M. Frink

Master upo

Monis declination at local Emidnight = 17° 08-52 8. last quarter

Examined and found to be correct

Lieuter auch y Navigator

League Island Navy Ford Va																
-				WINDS.	-		BAROME		TEM	PERAT	URE.			ear 18.		
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M	201	one	to Dock	86	,		3, ha	1.8	39	37		oc	Cer Cun	8		
2				"	1		3,58	1.8	38	31		"	,	6		
3				,	1		3, 08					"	,	9		
4				"	1		34 48	18	38	31,		te	"	9		
5				"	1		3,0%	1.8	38	37		-,	"	5		
6				, .	1		3, 55	1.9	39	37		"	",	5		
7				,	1		3, 54	19	39	37		"	,	1,		
8				,	1		3,04	19	39	37		,	",	5		
9				,	,		31, 5-3	70	42	37		1	"	3		
10				,	/		3,02	70	45	37		',	lei ste	3		
11				ctct H	1		3000	72	47	37		,	,	1		
Noon				1 2	1		3,43	73	511	37		,	,	,		
	Dista	nce r	un by Log since pre	ceding Noon									knots	fath	oms.	
			y D. R. at Noon											,	"	
			by D. R. at Noon										•	,	"	
			y Observations at N	oon O											,,	
			by Chronometer fro		vetions	0								,	"	
	Buong	ittue	of Chronometer Iro	an corenoun Coser	Tations											

Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours Water remaining on hand fit for use at Noon

1 tons 2/1 1 lbs. Coal consumed during the preceding 24 hours 111411485 " Coal remaining on hand at Noon

P. M. mound to Dock Sw 7452 49 1. S. 2 3, 48 72 53 49 2 3 31, 37 72 53 571 31 36 72 52 511 31,35 73 171 47 5 3, 33 75-571 47 3, 33 75 48 46 73 43 30 9 10 11 Mid. 11

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

Commences trentil 4 au., lolear tool. Light air finn et +6° at 12° tide changed ebb, Bright placeights (400) Warningher Kellogy Luilen aub right

Some 4th Saw blond Light air from at of & Shiffed forward tropeds spars. Received on bours 1 1111 lls pesh beef 4100 lls vegetables. Monstered crew at 7.45.

(pys) b. P. Rees.

Luidenant ugu

From Sam to Menidian

Pleasant weather. Very light breze from SE, hauling to Hat H, then to, 12 H. Got
on board new suit of sails, and made fromporations for bending. Jaking stores
on board. at 112" moved ship about 30 feet astern, and secured, preparatory
to a dock trial of engines. High water at 11.50. (290) WM Inoin

Master upn

From Meridian to 48m bregs from & 48th. But for & main Topsails and formail, blondy & cool. Light breeze from & 48th. But for & main Topsails and formail, set, & funded here. The following manual ment were received from u. S. R.S. "It Louis" org, a. M. Lean (Sea), John Doyle (Sea). Care Jacobson & Sas &f), Ett tide during watch.

(Gpa) Warington Hellogg

The 11th a.

From Htali Om Overcast Halondy, with light showen first hour, Bent Astowed Lit. Post cores on Main Your, Mani Topoail gard & mast head, Ett tide, (Ago) W W Irrow Moaster Upo.

Tom 6 to 8 Ph Overest , Light air from at . Ebb tide .

(yo) C. P. Ress.

Fruidright.

Smy 8 to Midright.

Clondy scool. Light airs from n' +82. Low water at 9.30, flood tide during remahide of watch.

(Ayo W. Rielogg
Secilenaut 2gm

Mom's declination ar load midnight = 19" 5% 2" S. new mon

Examined and found to be correct.

Levilenaut & Navigator.

League Island Navy Fart Par

-						_									-		
					WINDS.			BAROME	TER.	TEM	PERAT	URE.	Carl Cal	T	lear ths.		
1	Hour.	Knots.	Fathous.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of C Sky, in 10	State of the Sen.	Record of the sail the vessel is under at end of watch.
-	A. M.																
	1	me	md	to Dock	The state of the s	0		3, 21,	1,5	47	45	-	oc	atini	0		
	2				2. 2 x	2		3, 25	1,2	41	44		7	"	"		
	3				at it	2		30 25	1,,	45	43		"	",	1		
	4				"	2		3,24	1,0	45	43		"	,	"		
	5				"	,		30 18	1,1	45	43		"	,	0		
-	6				"	,		3, 32	1,11	15	43		",	,	1		
	7				,	,		31, 36	100	45	43		,	.,,	0		
	8				"	,		31, 40	711	40	44		,	,	1		
	9				Hat It	2		31, 43	2"	47	41		be	",	1		
	10				et. 34	2-3		30, 4%	22	41	45		",	Com	,		
	11				et x 2h	2		3, x1.	73	41,	44		,,	Cum 4	,		
1	Noon.				ctx &	2	٥	30 +6	23	41,	45		00	nint	,		
-		D: .		n bu Los since pro-	odina Noon									knote	Cath	ome	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, ,
Longitude by Chronometer from Forenoon Observations ⊙	•	. "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	0	, ,
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		"
Coal consumed during the preceding 24 hours	tons 19	no lbs.
Coal remaining on hand at Noon	1113 " 18	25. "

	P. M.										
3	1	mount to Dock	ctx &	2	30 41, 2	3 44	43	ac	Ci Sto	,	
	2		,,	2	30 11 7	2 43	41	"	"	3	
	3		,,	2	311 48 9	142	41	,	"	4	
	4		"	2	3,49 5	6 42	40	,,	leir	6	
	5		,	1	31149 1	9411	BI	"	"	8	
	6		"	1	3000 1	838	34	"	"	9	
	7		,	1	3,557			,	"	9	
	8		"	1	3,557	43%	33	".	",	8	
	9		ch	2	3,557	5 3%	33	Le	Cir Cum	6	
	10		116	2	3,577	1, 31,	32	,	"	2	
	11		,	2	3, 59 7	5 35	31	,	- ,	Ż	
	Mid.		"	3	3,58/	3 34	31	-	"	4	
	100000			Marie St.		1					-

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	0	,	"
Variation of the Compass by at	•	,	"

Commences Vintil 4 and

Overcast & darret. Light breeze from A + 24 = (ggs). CRReis. Lientenant ugn

From 4 t. 8 am

Overcast sclondy. Light at Hy airs, Shipped Hashed both after trifido broms (2001 H. M. Inim. Master ugn

Imm 8 to meridian

Cloudy scool, Light breeze gradually hauling from ch' + H' to cloud. But main I of sail and Spanker. By order of davy Dept, discharged a. Oth (aportor) from this Ship & from the charge. Lieux bare Robert reported on board for duty. Low water at 9.5. Floor tide remainder of watch.

(8gs) Wheelogy

Turlenant agm

From Meridian to 4Pm Clear scool. Light breeze from Ax E. Slack water at 7.45 (ego) W M Invin

Master ugno

From 4 to 8 BW

Pauly cloudy & avoil. Genete breeze from nº, Tide tomed ett at 1.45 Rent the Highs Daiels. Navy Jan latoness at work on board. Come engaged in general work latout deck. (20) Karl Robert Secilerants upn

From 8th to Midwight.

Neather cool & somewhat cloudy. Light brege from 16th, 16 6.

Thod tide running, Rising barometer.

(egg) b. P. Reed

Lintenant upon

Moon's declination at local Enidnight = 21 39 511 S.

Examined and found to be correct.

LUG of the UNITED STA	TES onep	cesex	
League Gland			Pa

				WINDS.			DAROME	TER.	TEN	PERAT	URE.			lear bs.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M												0				
1	mo	ped)	tock.	or 6	3		31, 5%	1.3	3 4	3,		be	atini	3		
2				,,	3		In 0'2	1.3	34	3,		"	,,	2		
3				,	3		30 41,	1. "	34	31		o e	,,	0		
4				,	3		30 411	58	34	31		",	",	"		
5				,	3		3038	5%	33	31		"	,	11		
6				"	3		3,37	04	33	31		ocs	"	"		
7				,	2		3, 37					",	,	11		
8				,	2		3, 37	1000000				,	',	1		
9				,	1	0.753	3,41,					ocN.	,	0		
10				,	,		3, 43	3"	37	36		"	"	1		
11				,	,		3,31	7"	40	38		,	",	1		
Noon.				,	1	,	31, 31,	72	39	37		,	"	0		
-																

Distance run by Log since preceding Noon	knots	iath	oms.
Latitude by D. R. at Noon	0	,	"
Longitude by D. R. at Noon	•	,	"
Latitude by Observations at Noon ⊙	•		"
Longitude by Chronometer from Forenoon Observations ⊙	•	,	"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	,	"
Variation of the Compass by Azimuth ⊙ observed at	•		"
Water expended during the preceding 24 hours		gal	lons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon			"
Coal consumed during the preceding 24 hours	1 tons 3	60	lbs.
Coal remaining on hand at Noon	1112 " 14	1.5	"

Р. М.															
1	mond	t. Dock	ater	2		3,,	2,,	92	35	39		ocaf	Nam	1	
2			,	2		3,	15	72	39	38		,	",	11	
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7			,	1		29	98	75	41	411		,	,	1	
8			,	1		/				40		,	7	1	
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11			,	1	100000	10000			10000112	411		,	,	11	
Mid.			,	,	1000000	1000				39		"	"	6	
				1000		1			1300	1	1			1000	

Commencestantil # am
Commences

Own 47,0 and Owner seet & rain, Moderate to light breeze from Mo 6.

Receis on board in Payer Deft 100 lls fresh beef & 100 lls vegetables.

Monstered the onew & found Davil. J. Vaugher (Sea) absent without leave.

(ogo) U M. Inim

Moaster ugno.

From Saw to Menidian

Coercast, raining scold. Light brege from 166, a reward of 10, was offered for
the apprehension of Daniel F. Vaugher (Sea), Bent for topmost playsail. Low tide
at 10.25, food during remainder of watch. (sqs) W Kellogy

Scribinants eyens

From Mendian for 4 Pms

Overcast cloudy, rainy thay. Sight breeze from 56 6. Falling barrentes.

Slack water at 35th chang your mechanics at work on board.

(egs) K. Rokser

Lewittuants upon

From 4t. 8BM

From 4th 8km

Overcast trainy, Light brege from 16 n 6. Borometer falling, Received on board of boxes. Marins Clocking. Tide turned flood at 4.25.

(go) les P. Reen

Lecclerant ugne

Donn 80m to Midinght

Overcast, rainy, desagreeable, Light breeze from 16 + 6. Ebb tide during evatal.

(go) W Kellogg.

Lecclerant refro.

Moon's declination or local Midnight. = 22° 3' 12' 8

Examined and found to be correct.

(4	lea	que	c (Island	d C	tar	y .	ya	ns.		O	a l							
						-	WINDS.			BAIN	OME	TER.	TEM	IPERAT	URE.			eor bs.		1
Hos	ar. I	Knots.	Fathoms.		Courses steered.	Di	rection.	Force	Leeway.	Heigh	t in	Ther. att'd.	Air Dry Bulb,	Air Wet Bulb.	Water nt surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A.		moo	red 1.	1	rock	ato	16	,		29,	79	15	40	39		roef	chinis	"		
	2						",	,		29;	8	1,5	41	39		oef	",	"		
	3						,	,		297			1000000	1- 177	1000000	roc	,	1		
4							,	1		29	78	59	40	39		",	,	"		
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				-		ct.	1. 24	,		297							chemi Ste	-,		
							,	12		298				100000		',	Cum	2		
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							"	4		29 8	200					"		,		
11							"	4		29 8						",	p 5,	2.		
Noc	DII.						,	-		290	0	1,8	00	00		"	in him	2.		
-																				
	D	istan	ice ru	n by	Log since pro	eceding N	oon										knots	fath	oms.	
	L	atitu	de by	D.	R. at Noon												•	-	"	****
	L	ongit	tude l	y D	. R. at Noon													,	"	7
	L	atitu	de by	Obs	servations at N	loon O											•		"	
	L	ongit	tude h	y C	hronometer fr	om Foren	oon Obser	vation	s O								•	,	"	
	C	urrei	nt du	ing	the time .	knots		fms. po	er hou	r, sett	ing	to th	е							
	V	ariat	ion o	f the	Compass by	Amplitud	e O obser	ved at	Sunr	ise							•	,	"	
	V	ariat	ion o	the	Compass by	Azimuth	o observe	d at										,	"	A STATE OF THE STA
	W	ater	expe	nded	during the p	receding 5	24 hours											gal	lons.	
		Vater					ing the pro	ecedins	24 h	ours									"	
				inin	g on hand fit							-							"	
					during the pre											, ;	one 5 1		lhe	
					on hand at No		riours									101	ons 5/1	5-	105.	
		oai i	eman	ning	on hand at N	oon										,,,	" /			
P. 1	M							I			T								1	
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		110	mi	*	DOCK	01	st	4		29	1	17	35			00	um mm			
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-	7						"	5		31, 1	15	82	3.1	29		0	tone	10		
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1	9						,	7		3,,	11)	77	3,	27		"	1	111		
1	0						"	19		3,,	4	77	3,	27		1	"	111		
-	-		1	1988				1	1500	2	83	70	1 7							

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

11 Mid. under the command of alexai 26. Mc Commick Commander, U. S. Navy, Thursday no 24 , 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 and Weather overcast alondy training. Barometer steady at 29.78. Light airs from H No E. Foggy in early part of evatoh. Flood tide aurming.

(go) K. Rohver

Limiterant upms

From 4 to, 8 am

From 4th, 8 au Overcaet & raining. Light briege from no 460 at beginning of watch. afternal from ct th. Ebb tide

Scintenant up no

Dientenant up no

Scintenant scintenant science from Moll, slightly freshering, Scient sail to dry at 11.22. Scint a small liberty fraity ashore. By order of Com of Efficie releases Patrick Sheeawisea, from confinements

(pp) win Invin

Master up no

Meridian to 4 Pm.

Meridian to 4 Pm. Meridian to 4 Pm.

Clear & cold, with occasional fluries of snow. Stiff & fresh bregge

from n' + 1. High water at 2.2. Ed tide remainder of watch.

(gu) W. Kellogy

Lewtenant your

From 4 to 8 BM Heather cold + squaely, but alear. Barometer rose from 29.95 to 30.07. Clouds stratus, being stratus + cumulus. Ett tide sunning. Breeze etiff in Squalls from Ho H. (egs) R. Rohier Twiterant Ugm

From 8 Pm to Midinght.
Clear & cold. Strong breeze with frequent squalls from 16 H. Bright etailight.

Starlight.

Waster upon.

Moon's declination at local midinght .= 21 1 47. S.

Examined and found to be correct.

Lieulenant & Navigator

Longitude by Chronometer from Observations Variation of the Compass by Amplitude — observed at Sunset

Variation of the Compass by

		à	eague V.	slaud o	Ne	rog	, (00	an	5	Ve	N					
				WINDS.		1	RAL	OME	TER.	TEM	PERAT	TIPE			h .		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	eeway.	-	ht in	Ther.	Air	Air		State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel at end of watch.
	-	Fa				L L				Duit,	Duio.	surface.			F. F.		
A. M	1000			4 1/2										5			
	mo	mo	to Dock	A H	5-7		3":						d	hom	111		
2		100		"	3-5		30 1				100000		"	"	111		
3				"	5		30 3	1					"	"	111		
5				,	5		30 8	_					0	"	111		
6				Her of			3, 3	1000			-		",	",	111		
7				"	4		3, 4						,	",	"		
8				"	4		3,						",		"		
9				24 x 26	v		3, 1	000		-			,	",	11		
10				,	4		3,0				1		7	,	"		
11				Hat H			3,, -	1000	. /				"	,	111		
Noon.				,	3		30						"	,	111		
	Distar	ice ri	in by Log since prec	eding Noon										knots	fath	oms.	
			D. R. at Noon											•	,	"	
			by D. R. at Noon											•	,	"	
			Observations at No	oon O											•	"	
			by Chronometer from		vations	0								•	,	"	
	Curre	nt du	ring the time	knots f	ms. pe	r hou	r, sett	ting	to th	е							
	Varia	tion o	of the Compass by A	mplitude O obser	ved at	Sunr	ise								,	"	
	Variat	tion o	of the Compass by A	zimuth O observe	d at									•	,	"	-
	Water	expe	ended during the pre	eceding 24 hours											gal	lons.	
	Water			during the pro	ceding	24 h	ours									"	
	Water	rem	aining on hand fit fo	or use at Noon												"	
	Coal	eonsu	med during the prec	eding 24 hours									4 to	ons 2 /1	41)	lbs.	
	Coal	remai	ning on hand at Noo	on									91	" 111	5	- ":	
						1											
P. M.																	
1	mo	ond	to Dock	24 x 16	3		3,, .	5-11	77	35	34		6	none	111		
2				20	3		3, 4	49	11,	3%	35		"	"	111		
3				HXB	3.4		3, 4	48	75	38	37		"	,	111		
4				2 St	3		31, 4	47	74	3%	35		.,,	,	111		
5				",	2		3,	48	73	34	34		"	',	111		
6				",	2		3,	49	73	35	34		"	1	111		1
7	0		7 0	"	1		31,	un	13	35	30		"	"	111		
8	60	6	Exs	824	1	175	31,	700					,	,	111		
. 9			"	South	1	2000	31,0			3000	10000		,	1	11,		
10		1	"	"	1	1000	31,		1000	1000			"	,	111		
11		-	"	"	2		3,, 0						"	"	111		
Mid.			"	"	2		311 .	4/	Si	32	32	2	"	"	111		
							-										
	Long	itude	by Chronometer fro	om Afternoon Obse	rvation	ns O								•	,	"	
	-																

Inday noor 25th

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences tuntily and.

Clear scool. Fresh wind from n 24th:

(Sp.) W. Keliogg Lewiterant ryno

From 4 to 8 ace the briles as 5. (pp) K Robert Ugno Scentinant Ugno

From 8 auv to Meridian

Clear & cool. Moderate breeze from 30 & 4th, Borometer rising, Secured ship with extra facts, and started engines at 8,2, David Montgomery Seats, absent without leave, Tide turned flood at 10.45

Meideau to 4 Pm (ego) b. P. Rees Lewitewant vyno Clear to 4 Pm Elean tool. Light breeze varying from Hx 76 to Hx S. Flood tide, at 3.""
stopped the engines, having finished the dock trial, Hauled tun fires,
Singled lines + made preparations for Labeling out with the stream.
Took in 12110 galls fresh water. (91) W. Hb him
Master upno.

Master lyno.

Jon 4th 8 PM

Clear scool. Light breeze from South's at 545 tide turned ebb., bast off from wharf and with the assistance of tug, hauled out with the stream and came to with post anchor in eight factions of water and viend to 30 fms of chain. Flag staff in chary fact bore 46 766. Main mast of St Louis" at x H. Ebb tide remainder of watch.

(90) W. Kellojg Lintenant Ugno

From & An to Midnight. Commences swinging to floor tide as 11, "

Commences swinging to floor tide as 11,"

Quilitiant upo

Moon's declination at local midnight = 18° 39' 11" &

Examined and found to be correct.

Longitude by Chronometer from Observations

Variation of the Compass by

Variation of the Compass by Amplitude observed at Sunset

LOG of the United States Ship Essex" ar are show off League Island Havy Fan Pa

WINDS. BAROMETER. TEMPERATURE.																
-				WINDS			DAUGME	TED.	TEN	IDEDAT	TDE			B .		
Hour.	Knots	Leich	Courses steered.	HALDS	T	4.				1	-	State of the Weather.	Forms of Clouds, by	of Clear in 10ths.	State of the	Record of the sail the vessel
				Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Dry Bulb.	Wet Bulb.	Water at surface.	by symbols.	symbols.	Prop o	Sen.	at end of watch.
		-			-	-	-							400		
A. M				South						4		6	chone			
1					2		30 00						None			
2				",	2		311 47	1	10000	10000		. "	7	111		
3				',	2		30 44		1000	30000		"	."	111		
4	40		21. 8	',	3		3,41		13360	177		"	',	1"		
	The	rod	HX &	",			30 39		10000			1	"	111		
6			StxS	"	2		3,39					,	"	111		
7			1	',	2		30 40		10000			"	,	"		
8			d 0	10 26			30 40			100000		"	"	111		
9			Ex &	884	3		39 39		1			oc	ai Str	9		
10			4 0 7	"	3		3,39				1000	7	bis Cum	9		
11			6861	St	3		3, 32					'	" Sto	8		
Noon.	66	f.	6 x S.	"	3		3032	72	41,	44		"	"	8	-	
-																
	Dista	nce ru	by Log since pre	eceding Noon	•								knots	fath	oms.	
	Latitu	ide by	D. R. at Noon										•	,	"	
	Longi	tude b	y D. R. at Noon											,	"	
	Latitu	ide by	Observations at N	oon O									•		"	
	Longi	tude b	y Chronometer fro	om Forenoon Obser	vations	0								,	"	
	Curre	nt dur	ing the time	knots f	ms. pe	r hou	ır, setting	to th	e							
				Amplitude ⊙ obser									•	,	"	
				Azimuth O observe										,	"	
			ided during the pr										2110	rel	lons.	
	Wate		raca anning the pr	during the pro	andina	94 1	onea.								4	
			ining on hand fit i		ceding	211	iours					-	211111		"	
													ons / 3 8			
			ned during the pre										ons / 0 0		lbs.	
	Coal	remain	ing on hand at No	oon			•					72	" ' ' '	, ,	"	
												0				
P. M.			2 1-1	P 2/2								1	0.0	0		
1			4. SH	8 %	3		3, 31			43		be	lai Sti			
2	I.		1×8	"	3		3n 28	1	-	25.00		"	',	9		
3	The	1000	"	"	3		31 27	1000		45		"	"	9		
4		,5	Hech	"	5		30 27		10000	3 7 6 1		"	"	18		
5			Szf	,	3		3, 29	100000	1	10000		"	",	8		
6		-	Sx 24	"	2		311 311	7%	45	44		"	"	6		3
7		1	0"	882	2		31, 31,	77	45	44		,	"	5		
8			Ex8	",	2		3, 20	78	45	44		"	"	5		
. 9		1	6/28	1	2		3, 31	73	43	41		",	,	4		
10		, 2	Exs	,	2		3, 29	72	42	41		,	'1	9		
11	6	4.	,	,	2		3,29	71	41	411		,	,	7		
Mid.			"	87:	1		30 29	5,	41	411		"	"	8		
	1							-		-						
	Long	gitude	by Chronometer fr	om Afternoon Obse	ervation	ns O								,	"	

Saturday 2002 26, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences tuntil 4 and blear savol. Light southerly breeze Bright statist. Ship evening to the front at 12?? . (spi) WM Invin. Master rigno.

From 4 to saw Glear tode breeze pros So. Slack water at 1. + at 1.20 finished swinging to ebt. Regised out flying jis boom.

Sam to Mouit.

Heather Clear & pleasant. Baroneter feel from 31.39: to 31.32. Benthe breeze from St. Ship knowinging to ebt tide, at 8.30 called all divisions to quarter and mustered the arew. First Dir tried the Fin ne LR + 1.0 Par B L Riple. to find if the trucks, prior boets, and socker were in proper order. and place. at 8 sent working party in gard tog to go to the Magazine after the ships powder & kheel. John Bradley Isla, reported on to and transferred from St Foris". Many your mechanics at nork on board. Chas Carroll (Ir Mor) and David Vaugher (Sea) were absent from the ship without fermission when the crew own mustised.

(ego) Rohner Suiterrant upm.

From Molisdian to 4 PM.

Clear Level. Genthe breeze from Str. Barometer faciling. Ship evinging
to flood tide from 12 to 12 30. at 1.20 the "Pilgrim" bright power lighter
alongside, Put out all lights of fires, and commenced taking in, and
etriving shell. Stowing fooder at end of watch. Fransferred to
Horspital on short J. P. Meilson (OSea) and John Murphy Sas, Many
Jaw mechanics at work on board. File running 1,5 knots at 3.00

(45) CRReed

Luitenant upno

From 4th 8 PM
Pleas aut weather. Light breeze from St. first fact, hauling to St. That, Juiched taking in powder and projectiles. Started frie at 7.0. Hang your try removed lighter, Brought off and horsted the steam Cutter. Jide turned at 5.25. (gg) wood brown house.

From SPM to, Midnight.
Clear ofleasant. Steady barreter, Light breeze from SH to SSH.
Cobb tide running.

Lewiterant upno

mom's declination at local midnight = 15° 7. 18 S.

Examined and found to be correct.

Leviler cant & Navigator.

at anchor off League Island chang Yard Par

Ex ct ** ** ** ** ** ** ** ** **	Direction.	Force.	Lee	311	40	70 1.8	40	39 39 38	Water nt surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Frop of Clear Sky, in 10ths.	State of the Sen.	Record of the sail the vessel is und at end of watch.
* x of * x of 2 Heat * x x6	"	1		7 7	40	1.8	39	39				19		
2 Hest 4 x x6	*			7 7	40	1.8	39	39		"				
2 Heat Ax Xo	*	111		4	40		1	10000		,		19		
2 Heet Ax Xo		1		136.50	200	18	39	38	1000					-
	"	1			300		- T	-	-	"		111		
Heat				1	20	17	39	34		"		19		
NAME AND ADDRESS OF THE OWNER, WHEN PERSON NAMED IN	"	1		" ;	29	1.1,	37	34		"		111		
. H8H	2184	1		" "	31	1.7	37	38		1		10		
"	Ex 8	1		"	31	1.7	39	41		,,		10		
,	S	1		1						be		9		
Ex 8	St	,		"	42	N	45	44		"		9		
861	"	3		7	2,	93	48	46		"		9		
86x 8		4		"	22	73	51	49		,		9	4	
	Ex S SES	Ex S SH SEI "	Ex 8 82 1 3	Ex 8 82 1 3 3	Ex 8 824 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 31, 31, 42 SEI , 3 , 21,	8 1 34 74 Ex S SA 1 1 42 N SEI 1 3 1 20 78	8 1 31, 94 42 Ex 8 82 1 1 142 75 45 SEI 1 3 1 21, 78 48	8 1 31, 74 42 44 Ex S St 1 142 75 45 44 SEI 1 3 1 21, 78 48 46	6x 8 82 1 1 1 42 44 45 44 86 1 3 1 20 73 48 46	8 1 31, 74 42 44 be Ex 8 82 1 1 142 75 45 44 11 SEI 1 3 1 21, 78 48 41 1	8 1 31, 94 42 44 Be 6x 8 8th 1 1 42 75 45 46 11	8 1 31, 94 42 44 Be 9 Ex S St 1 143 75 45 44 11 9 SEI 1 3 1 21, 78 48 41 11 9	8 1 31, 94 42 44 be 9 6x 8 824 1 1 43 75 45 44 11 9 8E1 1 3 1 21, 98 48 41 1 9

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙	•	, ,,
Longitude by Chronometer from Forenoon Observations ⊙	0	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	0	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	200	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	180	, "
Coal consumed during the preceding 24 hours	/ tons 4/	la lbs.
Coal remaining on hand at Noon	91 " 150	5 "

P. M.												
10	Flood	SEY S	82	5-	30	211	73	52	07,	Lo'	Sto	9
2		Ax S	,	5-6	200000	19				beg	4	9
3	1,	24/25	"	5-11	1000				49	1	",	9
4		H×8	,	4-6			11.000		48	"	"	9
5		",	"	3	"	15	711	49	47	cf		10
6		"	"	2		14			100000	9		10
7		"	,	3					44,	"	4	10
8	8- 866	" ,	"	3	1	19	75	45	44	be	"	
9	fin surry	is Ex 8	,	3	"	23	75	45	44	"	Ci Cum	2
10		',	"	3			1000		44	1	"	2
11		"	"	Z					44		"	
Mid.		"	"	2	"	29	7%	4/1	44	"	"	7

Longitude by Chronometer from Afternoon Observations ⊙	0	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset		,	"
Variation of the Compass by		,	"

Commencestentil 4 am, bleart cool. Light airs from Sx E. Vido turned flord at 1. and running 2 Knots at 4.0. (sgs) last Rees.

Lintenant uggs

From Mendian to HAM

Some Measure to Some Aleasant. Breeze from an aguallo from 8th. Barometer April Leasant appearant of feel from Measure appearant of the start of the St. Barometer April Some Measure of the start of the sta

From 4th 8 Bm Clear oflearant. Light bruge from St. Commenced servicing to ebb tide at 7.0. (Igo) CRReed Lewitenant upon

From 8 Am to Midnight, Clear, cool, flearant, Light airs from co2, Slack water until 8.5, when ship swung to ebb. moon per at 11.00. Lide running, or Knots. Cloudy last hour of watch. (gr) W Kielogy

Luitenant agric.

5 45 598 Mon's declination at focal midnight = New moon.

Examined and found to be correct.

LOG of the United States Ship Essex, at auchor off League Island navy yard Par

-			arauen	or off a	d	- C	-	au		·	1	Juri				
				WINDS.			BAROME	TER.	TEN	IPERAT	URE.			lear ths.		
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M		4	Ex 8	*	,		3, 3,	75	46	44		x		10		
2	1	,	6 \$ 8	"	1		, 33	74	41	45		,		10		
3	Jel.	od		ch	2-5		, 35	711	44	43		To go		10		
4		, 2	HA A	"	2-4		, 38	711	42	41		beg		10		
5	,	,	tot of	"	2-3		, 43	1,5	41	411		L		10		
6			A 76 1	"	2		" 47	1.4	39	38		. "	Stratus	8		
7			"	"	2		1 52	1.1	38	37		"		10		
8			At &	416	3		, 5%,	1,8	36	35		"		10		
9			"	",	3		161	77	31,	35	-	7		10		
10			1	"	3		" 1.7	75	37	31,		4		10		
11			AGx	16x6	2		1 /13	77	37	34		7		10		
Noon			atéx é	16 x E	2		1 1.3	7%	38	35		,		10		
	Distar	nce ru	in by Log since pre	ceding Noon									knots	fath	oms.	
	Latitu	de by	D. R. at Noon											,	"	
	Longi	tude l	by D. R. at Noon										•	,	"	
	Latitu	de by	Observations at N	00n O									•		"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙	•	. "
Longitude by Chronometer from Forenoon Observations O	•	. "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	2111	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	Ilian	STREET, SQUARE, SQUARE,
Coal consumed during the preceding 24 hours	2 tons 82	lbs.
Coal remaining on hand at Noon	89 " 1,80	- "

Р. М.						
1			Exch	16x6	2	31, 11, 77 38 31, 8
2			"	Exch	2	1, 09 1.8 39 38 11 10
3			Hxch	"	3	1 11 73 43 42 1
4			484	"	3	1 1, 72 44 43 1
5			Hxch	cr	2	1, 58 72 41 411 9 111
6			Stx 21	86	2	1, 12 79 41 38 9
7			884	4 4 4	2	1 1.3 1.8 38 35 1,
8	El	4	Exte	686	1	1 1.3 1.8 38 34 9
9			"	Exct	2	1, 1,3 77 31, 35
10			",	"	2	1 1.3 77 35 32 11
11	1	3	"	"	2	11 1.3 78 35 32 11
Mid.			"	"	2	12 1/2 80 35 32 11 111
Mid.	-		"	"	2	12 /12 811 35 32 11

Longitude by Chronometer from Afternoon Observations ⊙		,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset		,	"
Variation of the Compass by		,	"

Commences and with 4 am Heather clear scool. Barometer roce from 30.30 to 30.38. Breeze varying from It for the force from light to fresh. Commences severiging to flood at 2.20 and finished at 2.25.

Special to 8 am.

From 4 to 8 alle. Charseool. Gentle breeze from H. Riding to food tide. Barometer rising. Commenced breaking our shell room, and shaking preparations for sea.

(ego) bekees. Luiterant agno

Tom 8 to Mendian. Pleasant weather. Light breeze varying from et et &. to Ex 6. Ship soung to est tide at 800, Tide running ! Kust as 1000 Broke out & rustowed sheel orom. Beut Flying Sit. Secured tripedo borns ai place. Horited barge list. Pailing famoh! Dane F. Vaugha (Dea , having been absent seven days without a deserter from the Naval Lervice, (Spr) W m Inoin negastro ugno.

meridian to 4 Bm Clear, pleasant weather, Light breeze from 60, at 100 Jug came alongiele with sheel. Reced 48 loaded + 41 unloaded sheel. Slack water as 3.00 and at 3 30 ship fruished seoringing to flood. at 3.00 hore in to short stay of 15 for, at 3,0 called all hands up auchor. How of post aucher, and stord drow the river in charge of Pelot, at 3,50. Ship's draft, 13ft 8 in; aft. 11 fr him (go) W. Keelgg

Luciliant lyno 4th. 1. Pm, Heather clear & pleas out. Baroneter from 311. V8 to Si. 1.2. Light bregge varying in direction from At to SE. Handing down Delaware nois, Pilot at the Com. Under steam, (ogs) R. Roher Lantenanh upn

1. to 8 Aw. Clear oplea aut. Bright mornlight, Bento breze from U.E. Standing down Delawen noir for auchorage in charge of Pilot. Came to as 7 to with four of water, & veries to 15 for to water edge on port chain. Bearings from auchorage New Careto range light et E, distant 3 miles, Ett tide. Bankes fire.

8th Midnight. - Clear ofleasant, Light airs from Ex 26, Bright onomlight and plan--hight. Fires banked. Ebb tide running 1.3. Kurts at 11-(250) W.M. Drine Martin upus

Morn's declination as local midnight = 001'39'8

Examined and found to be correct.

Leveluant & Navigator.

sel is under

Longitude by Chronometer from Observations

Variation of the Compass by

Variation of the Compass by Amplitude observed at Sunset

Making passage from Philadelphia to norfolk Va

m	ba	Ken	g passage	from O	hil	ac	lelps	hia		fu	,	rosfol	K V	2		
Hour.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Leeway.	Height in inches.		-	Air	Water	State of the Weather, by symbols.	Forms of Clouds, by symbols.	p of Clear,	State of the Sea.	Record of the sail the vess: at end of watch.
		Fat				Lee	inches.	att d.	Bulb.	Bulb.	surface.			Prop Sky,		
A. M.												1				
1			téx &	atx El	2		34 /10	811	35	3 2		6		111		More ser as 12
	60	e	etx &	,	2		1 /10	77	35	33		"		"		
3	1-2		21.02	,	2		" 29	84	37	35		,		11		
4			"	,	2		, 59	83	37	35				11		
5			,	"	2		1 58	1000		31,		Gu		111		
			,	,	2		, 19		38			Serv	Ste	9		
6			SHXS	7	2		, 59	75						9		
7			ONXD		2		, 05					"	"			
8			86 x 8	15								be	Sto- Cum	9		
9	-			86	2		" 22		411	/				9		
10			886	0 00	/		" 05					"	Cum	9		
11			dx &	888	2		, 51	1.8	42	41		"	"	1		
Noon.			"	"	2		, 49	70	42	4,		00	"	1		
	Distar	ice ru	n by Log since prec	eding Noon									knots	fath	oms.	
			D. R. at Noon										•	,	"	
			by D. R. at Noon										•	,	"	
				0										,	,,	
			Observations at No											,	"	
			y Chronometer from													
			ring the time				ır, setting	to th	е							
1	Variat	tion of	f the Compass by A	mplitude O observ	ved at	Sunr	ise						•	,	"	
,	Variat	ion of	f the Compass by A	zimuth O observed	d at								•	,	."	
1	Vater	expe	nded during the pre	ceding 24 hours									2011	gal	lons.	
,	Water			during the pre	ceding	24]	ours									
	Water	rema	aining on hand fit fo	or use at Noon								14	+1111			
(Coal	onsur	ned during the prec	eding 24 hours								9 to	ons 44	411	lbs.	
			ning on hand at Noo									80		5.		
			and on many the 2100	,,,												
Р. М.																
		3	686	86x &			2 /						10.11-			
1	4	0	SEX S	8 ES	/		31, 41,	7000	198	3000	17		Cu'sto	11		
2	1	",	DG X D	\$6	/		" 43	72	54	53	52	1	"	1		
3	2	1	"	"	1		7 411	73	5	54	00	10	Q' hem	1		
4	7	2	"	,	1		1 43	73	5%	5	-00	be	. "	1		
5	3	5	"	,	1		" 411	73	J/	20	ST	"	4	3		
6	3	5	884/24	"	2		1, 411	75	19	1	00	- "	4	5		
7	7	5	"	8	2	1.	1 37	73	57	55	5%	beni	4	3		
8	1.	"	"	"	2		, 36	70	57	16	00	,	4	1		
9	1,	0	"	',	2		434		17	5%	UT	"	4	1		
10	f	77777	Strs				1 32			1	50	f.		6		
	-	-		"	2				1000			oe	4	6		
11	7	11	1	"	2			1.8		77	25	be	"			
Mid.	7		"	"	2		" 33	"0	18	7	06	ve	"	/		
	Long	itude	by Chronometer fro	m Afternoon Obse	rvation	s 0							•	,	"	

Commences Ins to 4 and. Char scold. Light breeze puns at " +6". Bright startight, Slack water at 1.3° and at 2.0° ship finished rivinging to the ebt. at 3 hove the log, tide penning 1.2 huster.

Leveling 1.2 huster.

Leveling with ught

From 4 to 8 acu. Heather pleasant but foggy. The haze lifting with the sew. Light bruge from 16 Barometer fell from 31.55 to 31.55. Spread fine at 6; and got under way at 6.3. Attaining down the river, Pilor directing the course. Pressure of steams 1.1 lls, cto of revolutions for minute 44. (ogs) R. Rohrer Juiler auch vyro

8 am to mendian Cloudy and pleasant. Light breeze from S' + &', all hands on deck, cleaning deck & securing for Sea. Steamy down the Delawer on charge of Filoh musteus ar quarters at 11-, at 12 B-shoal fory bor west, distant 1/4 miles (ogs) CP. Reus Seulenant ryw

meridian to 4 Pm blondy swarm. Very light bruge from Sotte, Long evel from & S.E. Ship orlling paidly. at 12.00 cafe may light house for abeam distant himiles, at 1. stopped spilot left the Ship, Went ahead at 1.00, Shape & Course SEX S. at 1.15. and at 1.20 took departure, Cake Kenlopen light house bearing per standard Compais & & H/2 H. Breakerater light house H/2 S. Det the frateur log. at 1. tony on How & chickens phoal, bor abeam. as 3-2 Fewerick Island Light bor Stx 10. distant 14 miles. at 300 Pape Houlipen discipland from sight bearing new/s x. Crus employed in plushing shows, & securing things about the deck. Patent Log recorded 20 miles as 14.00. Steam 44 ls. Rev. 41. 4. (gu) W.M. min Master Ufn

4to, 1. Pm Hazy - pleasant, Light airs from Soft ?, Ship rolling easily. to, moderate evell from direction of wind, at 5.5° got coat of deep sea lead, in fow sand, bottom, Changes course to SSH/2H, hauled in Paleur log. it read 33/2 miles. Sput it our again Barmete steady. average please during watch 49 lls. Rev 41. 1. (Ogo) W. Kellogy Seulenaut Upon Steaker freezen Us. (go) & Robert

Lecilerant 250 8th Midnight. Cludy with light passing shows, Changed course at 9 th. Stx S. and at 12 th. Str. , Bot cast of the leas at 10 + 12 in 211 + 1/1 four respectively. Strangey In nev. (got) Chken Lieutenast of

Monis declination at local midnight = 4° 4'1 19 St.

Examined and found to be correct.

Lieutenanh & Navigator.

Longitude by Chronometer from Observations

Variation of the Compass by

Variation of the Compass by Amplitude observed at Sunset

LOG of the UNITED STATES Ship "Essex"

n	ran	ing	p	assage your	" Thilad	elps	Ke	eu /11		10	ya	ea	0 -				
-		1	-	,						1							
					WINDS.			BAROME	TER.	TEN	PERAT	URE.	State of the	Parms of	lear ths.	Ctota	
1	Hour.	Knots.	ms.	Courses steered.			ay.	Height in	Ther.	Air	Air	Water	State of the Weather. by symbols.	Forms of Clouds, by symbols.	of Clear in 10ths.	State of the Sea.	Record of the sail the vesse at end of watch.
			Fathoms.		Direction.	Force.	Leeway.	Height in inches.	att'd.	Bulb.	Wet Bulb.	Water at surface.	by symbols.	By Moois.	Prop Sky,	Coan	
		-	-														
	A. M.																
	1	0	2	324	86	2		3031	1.8	58	59	80	00	Ci sto	0	5	
1			1000					" 21		1000	1		Le	,	1,	,	
1	2	2	8	"	"	"				1200	1	17/40		-		7	
4	3	5	0	"	"	"		7 311	1.8	19	28	28	- ',	4	5	',	
	4	4	4	,		,		1 31	72	0.9	8	80	"	Ci	3	",	
	*	3	,						73	799			oe	nin	0	9	
	5	1000	6	''	"	1		Dell'article	5000					-		"	
	6	3	5	"	',	"		" 30	711	09	57	-4	ocr	."	1	- 4	
	7	2	0	,	ct &	",		,, 35	73	59	57	28	",	"	0	',	
	8	3	6	SHXH		"		, 3,	73	59	.58	09	N	"	0	"	
1		-			-				15000								
-	9	3	6	1824	,	"		", In	13				oc zu	"	0	1	
	10	3	2	ENE	,	"		1 30	75	1,0	5	V8	oer	"	1,	1,	
	11	,	0		,	"		1 31	75	1.11	59	v-	ocm	1,	4	N	
1	11		0	"		",								1,			
	Noon.	/	0	"	,	/		" 28	10	1111	9	2	"		"	"	
Ī	-															-	
		D: .		- I - I in	ding Noon								117	knots 2	fath	ho.	
		Distar	ice ru	n by Log since prec	eding Noon												
	J	Latitu	de by	D. R. at Noon									137	000	4,	"	
	J	Longit	tude b	y D. R. at Noon								,	4 75	. 57	,	"	
					on 0									•	,	"	
				Observations at No													
		Longit	ude b	by Chronometer from	n Forenoon Observ	rations	0							•	,	"	
	(Curren	nt dur	ring the time	knots fr	ns. per	hou	r, setting	to the	9							
		Variat	ion of	f the Compass by A	mplitudo @ observ	ed at	Sunni	100							,	"	
							Sunri	ise									
	-	Variat	ion of	f the Compass by A:	zimuth o observed	l at									1	"	
	1	Water	expe	nded during the pre	ceding 24 hours									21,0	gall	ons.	
	. ,	Water			during the pred	ending	94 1	Onne							, (9000	
						eding	24 11	ours						. 3			
		Water	rema	aining on hand fit fo	r use at Noon									1341	0 "		
	(Coal c	onsun	ned during the prece	eding 24 hours								12 to	ons 18 2	re	lbs.	
	(Coal e	emain	ning on hand at Noo	n								1,7	" 1,8	05-	"	
		Out I	СШап	ing on hand at 1400	· Li								"/				
F											1				1		
1	P. M.											4					
1	1		5	6.16	1 24	2		3, 51,	1.0	10	58	0%	10 m	chines	0	S	
	773									-		1000				-	
1	2	-	5	"	"	2		, 23	115	8	57	51,	"	1	"	1	
-	3		5	"	"	2		" 13	12	58	57	57	"	.,	1:	4	
	4		5	',		1	1	1 24	72	58	77	57	,	1,	1,	1,	
1		3	4		"	100				17.11			0				
	5		4	',	",	1		1,21	12	18	U-7	2	och	. "	0	4	, ,
4	6	1		',	"	,		, 1	12	57	5	57	,	"	4	1	
	7	1		',	4	,	1000		10		1	57	",	,	1,	"	
				Kxch		,				/						,	
	8	1		00	0'0	1		1, II		28	1	7	"	"	0	1	
	9	1	1000	887	884	1	3.	1,16	75	111,	18	04	of	"	7	7	THE PARTY NAMED IN
	10		1	"	,,	1	3	1, 17	70	19	57	01,	LL.	. 4	9	7	
				886		,							1				
1	11	77		Control of the last of the las	"	1		114			00	01,	of	"	0	4	
1	Mid.	-		88× E	"	1		1, 13	1,5	28	57	7	"	. "	1	1,	
-												-					
		I.	tud .	hu Cl	10												
		Longi	inde	by Chronometer from	n Afternoon Obser	vations	5 0							0	'	"	

Commences suntil 4 auc, Cloudy & damp, Light breeze from SE. moderato severe from SE. Ship rolling lavily, at 35 sighted Cape charles light bearing It Is S. dutaus about 15 miles, Went takead slow at 340, at 9, stoffed and get a cast of the deep Rea lead. bottom in 15 four, sand and ound. Went ahead slow as 3,5 (251) W.M Iron Master yno.

Jan 4 to 8 am. Meity fint fact of watch. Foggy unt light driggling rain fort haef. Light bruge from so the at 6 trok cast of lead. Landy bottom at 11/2 frus, ar Joichanger comments & & & & S. at 7. 2 ploffed and trok cast of the lead, bottom as 10% from Stearing half sheet deing watch. as 7. 5 fries start 'In gun Bommuter strady, Stearen 45. Rev 31. at 8 Patent log registered 123% miles, re- set it. (ggs) W. Kellogy Luiterant upw From 8 am to Meridian fact of the time raing, Membres alondo. Barometer fue from so. 31. 28. Light breze from at 6. Lea from the art of changed course to 646 mes regulated the movements of the evening so as to make at little from a hail

was regulated the movements of the engine pu as to make at little headway as passible but to Keep strengs way. at 9." nusteres + inspected and at quarter, and instructed thew practically in their duties at fine quarters. Hauls in Patrus Log as 940 and found it registered 914 Ruots, Sleave pressure 40 lls, Took prequent coundings during the watch, and form follow at from 11 to,) 3/4 for . The depth being 9 from at end of watch.

(go) K. Robert Lieutenant uges.

Mendian To 4 Pm Weather foggy with occasional driggling showers ofrain. Barorneter falling Juning our the engine as times to Reef ship on E KE Course. Certing casts of the lead every few minutes in 9 pro of water, Aleans pressure 40 lls.

41. 1. Bw Overcast with their fog. Light beege from it ev. at 400 got cast of deep Realeast in 7 1/4 fow water dask grey sand with sheels, at 400 ween whead alow getting casts of the lead, stopped at 440 4 came to with the fost accolor in 10 for water, veening Is four on post chain. Backed fine. (29d) 10. M. Inim Moaster upw From 6 to 8Pm

Oucest, thick fog Light air find n'th', Rolling easily to swell from n'48. Banked fine. 8 mideight.

Heacher overcast of oggy. Baron etro falling slowly. Light air from ISH. a sleaner passed close about Standing to Soft St. Ship rolling lasily. Banked pins.

morris declinistion at local midnight = 9 34 41 of.

Examined and found to be correct.

Limiter auch & Navigator.

making paerage pow Philada tu norfolk va

7	nan	lici	of paera	gr fim	5 0	Phi	lao	la	7	11	1	erfol	K V	2		
	1			WINDS.			BAROME	TER.	TEM	IPERAT	URE.			1 1 1		
Hour.	Knots.	ns.	Courses steered.			y.			Air	Air	Water	State of the Weather.	Forms of Clouds, by symbols.	of Clear in 10ths.	State of the	Record of the sail the vessel is under at end of watch.
		Fathoms.		Direction.	Force.	Leeway	Height in inches.	att'd.	Dry Bulb.	Wet	at surface.	by symbols.	symbols.	Prop Sky, ii	Sea.	av one of water.
- N																
A. M			86,8	8824	,		3, 13	h	0-7	57		och	Acrib	1	8	
2	1		88	7000	,			1,5		57		"	"	1	1,	
3			8,6	,	1		", 11	10	18	8		,	1	1	4	
4			8	"	,		" 111	1.5	8	08		"	1	"	"	
5			8824	"	2		1 04	15	09	19	57	Lef,	"	2	"	
6			Sxw	"	3		102	1.5	17	og	57	"	Cu	4	1	
7			ct 1/2	"	5		" 112	1.4	09	59	57	oczu	mint	1	"	
8	,	2	HSH.	"	4		1 14	14	59	09	57	- (Ci rent	1	",	
9	e	0	"	,	4		2 11/1	1,4	11	1.0	57	oev	mis	1	"	
10	7	4	"	"	5		1 114	1.4	1,3	111	55	"	"	0	"	
11	het.	ye	flich.	"	2		1 12						Cir	7	"	
Noon		1		"	2		1 115	9%	1.2	58	54	" .	"	9	"	
	Distar	ce ru	n by Log since prec	ceding Noon									knots	fath	oms.	•
	Latitu	de by	D. R. at Noon										•	,	"	
	Longi	tude b	by D. R. at Noon										0		"	
	Latitu	de by	Observations at No	oon O									0		"	
	Longi	tude b	y Chronometer from	m Forenoon Obser	vations	0							0	,	"	
	Curre	nt dur	ing the time	knots f	ms. per	r hou	r, setting	to the	e							
	Varia	tion of	f the Compass by A	amplitude O obser	ved at	Sunr	ise						•	,	"	
	Variat	ion of	f the Compass by A	zimuth O observe	d at								•	,	"	
	Water	expe	nded during the pre	eceding 24 hours									200	gal	lons.	
	Water			during the pre	eceding	24]	ours									
	Water	rema	aining on hand fit fo	or use at Noon								/	040	•	"	
	Coal	eonsun	ned during the prec	eding 24 hours								8 t	ons 280	,	lbs.	
	Coal	emair	ning on hand at Noo	on								59	. 38	5	"	
			*													
P. M.	1		1									0			1	
1	An col	age	f Pilot.	1824	7		3,33			/	1000		Cun Ste		8	
2			Het the	that the	1		" " 4	-		777700	02	"	"	8	"	
3			at th	"	5		1 119	2000		1.1,		"	1,	8	',	
4			nxxx	1 -6	4		1 12	100000	1.1	65		"	"	7	"	
5			"	of st	/		" 17	1.8	11			b	"	10		
6			Ex S.	"	1		1122	,	1,2			"	1	10		
7			6 x D.	,	/		1 24	,,	,			"	4	10	-	
8			06x 6	"	/		1 26			UJ-		"	"	10		
9			686;	,	/		" 31			ny	-	"	"	10		
10				,	3			17				"	"	10	7	
11			16/2 E	"	2		1 35		55	-		"	"	10		1
Mid.	1		Toxe	"			" 60-	17	04	00		"	"	10		

Variation of the Compass by

Commences Suntil 4 au Overcart Hoggy. Sente breeze from & S. K. Barometer falling. Ship voiling quittly to the sweel. Banker fries Lintenant afrom

41.8 am oricast veloud; with theak fog first fewortale. Light to moderate breeze pour dot. ar 16 40 fog lifted, sight Cape Charles light heaving new, distant 11 miles, at 6: formal fine + brought to part chairs. at 730 carles all hands up auchor. Hore up port auchor, and started ahead slow, and shaped course ct. It. (ogs) W.M. Sum Master. ugno.

Fance to Mendian Overcast, with passing facels of fog + light showers of vain until 10. , when veather cleaned, Clear repleasant remainder of watch. Fresh brege from & which gradually haules to Hest. at 8 - changed course to, It & It. at 8:20 went ahead full speed. at 9 Cape charles light for abeau. at 9. sighted Cape Henry light ahead, at 10,00 stopped thout charfold Pilot on broad, went Thend again full speed. Remarider of watch standing up to Bay for Hampton Roads. Secume buttery for post. average steam pressure 12/2 lls, her 52 (0gs) W. Kellogg Suntinant agen

Meridian to 4 Pm Heather clear pleasant. Breeze moderate to very pech & St to It se W. Barourette rose from 30.05 to 30.12, Cloudo cum sto, Atanding in for Forties morem and Storfolk . Pilot directing the course . Ship under steam. at 145 called all hands Thing ship to auchor. and came to as 200 in 3 few water with sto auchor bearing to 30 foro, Lambert Light bearing (pe) at H 1/4 at and Fort ctorfock bearing (pe) at Ct & , Steam pressure 621/2 lls. Res so. Banker fine after coming to. aw officer came on board from le & & Rear parge with the Compliments of her Come Officer secural offer of assistance to the Coptain of this ship, ar 1st made number which was accovered by the Kears as go with her number. Then made signal interog, #1211 which was husurer # 904. (y) K. Rohrer Scinlinaub upus

Jon 4 to 8Pm, Ca & he is I

8 Pm to Midnight.
Heacher clear & pleasant, Baronnette rease from 30 & 1. to 30. 35. Light breeze from ct H. Commences sirriging to flood at 11. and fewisher at 11. -.

(ogs) K. Rohran Leculeurant afor

Monio declination at local midnight = 10,56 36 of 1st Quarter

Examined and found to be correct.

Qualitant X

ecord of the sail the vessel is under at end of watch.

1000	till Chillip Canal	
.11	Fortchorfock	yra
011	ort crostolk	0
11		

AND DESCRIPTION OF THE PERSON NAMED IN	A CONTRACTOR OF THE PARTY OF TH	-	NAME OF TAXABLE PARTY.		_	_		_	_					_		
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear Oths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leewny.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Wasthen	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Rec
A. M			ct 1/4 24	14	,		3, 35	>	,,2	-48		0	atono	10	6	
1 2		1	A Hxch	ap	1		7 42		100000		12000	,	"	10	"	
3			"	"	1		7 42	711	U-1	47		"	"	10	"	
4			14x 76/276	,	1		1 42	1,9	1%	47		"	"	10	",	-
5			+4x 76	',	1		, 4%	1.8	17	47		"	"	10	",	
6			4	stat &	,		, 46	115	U71	47		7	4	10	"	
7			"	"	1		" 48	1,5	07	47		,	"	10	"	
8			,	"	1		, 48					"	,	10		
9			686	"	4		, 17	1,5	17,	45		Fe	Ci Sto	18		
10			"	4	3		" 21	1,5	49	do		oe	Ci'am	9		
11			6x 8.	,	3		1 511	14	07	45		"	& Sto	N	-	
Noon			686.	" ~	3		, 51	10	00	4%		"	"	5		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ©		, ,,
Longitude by Chronometer from Forenoon Observations ©	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at		, ,,
Water expended during the preceding 24 hours	3111	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	740	"
Coal consumed during the preceding 24 hours	4 tons / 3.	411 lbs.
Coal remaining on hand at Noon	7411 4 tons 13.	85 "

P. M.													
1		E	28	116	3	2,, 0	-5 7	051	47	Le	Cú	7	
2		cto	14	"	3	-	1 70			',	1	8	
3			"	",	3		77			4,	1	7	
4		1	"	"	3	" 6	10 79	152	48	1,	1		
5		Sudo	ck	ctx6	2		111 81			',	010	7	
6			,	at sh	1	1, .	47 70	1011	47	oe	Cu' Gun	2	
7		,	,	"	1	1,	4770	01	48		"		
8			1	"	1	,	47 70	, 07	48	fo	Cui	1	
9		,	,	"	1	7 5	41, 72	5-1	48	"	1	4	
10		,	,	"	1	,	41, 7	3 07	4.8	4	"	5	
11		1		"	,		40-73			4	"	3	
Mid.		"		"	1	, .	48 7	3 07	48	"	"	6	
TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OW	1				THE PERSON NAMED IN	TO STATE OF THE PARTY OF	1000	100	A STATE OF THE PARTY OF THE PAR	The state of the s		1000	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	0	,	"
Variation of the Compass by at	•	,	"

Commences furtil 4 acm blear Apleas aut. Light brege from n. H. Under backer fires. Tide ourning Flood. From 4 to Face blear pleasant, Light briege from 11-, Slack avatur at 6.30, + at 45 commenced surriging to ett. at 75 made signal to "Klar sarge" 545, to love sail, Kearsays auroched 904 yes. Loved sail at 8,00 (29) W. Kelegy Lieutenaut afor Jim 8 am to Mendian Clear & pleasant, Baronele steady. Clouds cirus - stratus & cunculus. at 9.5 horstes the founder flag or the fore I, and commenced taking out sheel. Ship riding to Est tide, a pilot came on board from the chary yand to take the ship up.

(eys) R Robert

Lientenant upp meridian to 4 Bm Heather generally clear opleasant. Sentle breze from notes, Bot out remainder of foroder takeel & sent it to magazine. Called all hands of auchor at 22 got ander way, bring assisted his counting ship by the USS Juy "Fortune", Stord in for Haly yord, making fordparations for going but dry dock, Paymaster L. to yorke & 1st Lieut O. C. Benyman left the ship on blace fabrence. Tide times frod ar 1230. The us s. Reardays' strances out of the horbor at 2.00 fruid for new Orleans.

(ogo, CRReer Lecutionaut april. Heather clear ofleasant. Barmeter facting. Clouds consecundes and cumulos, How into dry dock of secured the ship therein. Hauled fire except for heating purposes. In Robert Luilinant upo Som to midnight.
Partly cloudy & pleasant. Light breeze from Mel.

Lindenant upon

allon's declination as local midnight = 17 32 18 26

Examined and found to be correct.

Lientenant & Navigator.

ALCOHOL:															
			WINDS.			BAROME	TER.	TEM	PERAT	URE.	Ch. d Ch.	T	lear ths.	Cur	
Hour.	Knots.	Courses steered.	Direction.	Force.	Leeway.	Height in inches. Ther. att'd.		Air Dry Wet Bulb. Water at surface.		State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is at end of watch.	
A. M	2	Dry Dock	at the	2		39 45	74	49	47		Le	Chin	5		
2		"	,	1		7 42					"	"	7		
3			"	1		, 41	73	48	41,		"	"	5		
4		,	,	1			73	48	46		1	Cu' Gun	3		
5		"	,	1		, 41	70	48	46		7	VCun	1		
6		',	,	1		, 41	70	47	45		"	"	8		
7			',	,		, 411	70	48	41,		,	,	9		
8		",	',	1		1, 41,	68	48	47		"	,	8		
9		4	"	1		1,411	1.9	49	47		,	',	9		
10		4	/.	1		, 41	1,5	-57	48		,	"	9		
11		',	,	,		1, 37	_	12	48			"	9		
Noon.		11	',	,		136	1.4	12	48		'"	,	9		
													Part of the last	373	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, "
Longitude by Chronometer from Forenoon Observations ⊙		, ,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	21111	gallons.
Water usuing the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2440	"
Coal consumed during the preceding 24 hours	/ tons / 7	ha lbs.
Coal remaining on hand at Noon	/ tons / /	20 "

P. M.	1												
1	Ludy Drew	Ast th	2	3	1 34	1.4	12	49		oe	Cu' Cum	F	
2		1,	2		:31					"	4	9	
3	1,	"	1	/	,32		1000			"	Ci'	9	
4	,	",	1		,31			10000		11 -	"	9	
5	"	"	1		1,31					"	"	9	
6	"	"	1	1	, 30	1,5	54	J7,		1,	"	9	
7	1	1,	1		, 33					"	11	9	
8	"	",	/		, 32	1.8	10	48		"	"	98	
9	"	,	1		, 32	1.8	171	48		1	1	8	
10	"	"	1		1, 33					",	4	6	
11	,	Calew	11		, 54				1	ch	1	1	
Mid.	"	SH.	1	1	, 32	-18	48	4/1		"	",	1	
	The same of the sa		The state of	1		1000	The same		1000		Name of Street, or other Designation of the last of th	1	

Longitude by Chronometer from Afternoon Observations ⊙		,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	0	,	"
Variation of the Compass by at		,	"

Commences secutil 4 acc.
Commences secutil 4 acc.
Commences secutil 4 acc.
Commences secutil 4 acc.
(egs) w no brion Master ugns.

From 4 to 8 au Clear & pleasant. Light air from new, Borometer steady at 3.0 Clouds corri-cumulus and cumulus. at 700 to any your surplay us began to amin to square the ship in the dock (251) K. Robert Lieuterant again to the sound again to midden

From & to mendian bless promo new, Hay Fand workened employed in docking the ship, Recedon board 3000 gallo fleet water.

(eyo) b. P. Reed. Lientenach uppo

Fran Meideau to 4 Bre
Pleasant weather. Light breze from n'n wo, Leur a small liberty party on
Shore.

(ogs) WM known

Master uger

From 4th. ffm
Clear Apleasant, Lift air from n'nov, Bright mornlight.

(eyo) CRRees Linterant 1916

From 8 Pm to midnight
Clear oplissant. fit hour with light airs from to to the Gradually
clouding Letting hazy, Culin latter fat.

(Sgo) W m Inim

Marter ugmo.

monio declination of beal midight = 20° 10'8,4 20

Examined and found to be correct.

Seculeurans & Navigator.

		-	1	/												
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Time C	lear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is une at end of watch.
A. M	1	dry	dock.	Szh	1		31, 31	1.8	en	47		oc	Cir Cam	3		
2		0	dock.	"	1		311 29	1.8	50	47		"	"	0		
3			"	,	1		2, 3,	119	17	47		"	"	0		
4			"	"	1		3, 3,	1.9	07	48		oer	nivo	0		
5				16	,		3,33	7"	50	47		N	"	"		
6				"	1		3,32	70	50	47		"	"	0		
7				"	,		4.02	711	30	47		"	,	0		
8.				1	,		3132	18	50	48		"	,	0		
9				4	1		34,30	711	57	48		ocr	"	0		
10				',	1		3, 32	70	02	49		,,	"	0		
11				,	1		3,32	711	51	50		"	',	1)		
Noon.				4	1		3,32	1.9	0-2	-48		"	"	0		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	• •	, ,,
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon O	•	, ,,
Longitude by Chronometer from Forenoon Observations ©	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude O observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	3110	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	3041) "
Coal consumed during the preceding 24 hours	tons 22/	
Coal remaining on hand at Noon	51 "1811	0 "

P. M.												
1	In dry Dock	17	1	31, 31,	70	17	49	00	v	chnit	1	
2		1	2	1, 311	1	100000		0	c	"	1	
3		etx &	2	1, 3,		100000	100000000000000000000000000000000000000	1		"	"	
4		"	2	1,31	70	50	47	"		"	"	
5		"	2	, 31	70	111	47	oc	9	"	0	
6		",	2	1, 32	70	011	47	,		"	11	
7		"	2	1, 34	72	50	47		c		1	
8		',	2	1 34	12	20	47	"	4	un Kini	1	
. 9		"	2	1, 33	70	49	47	"		"	11	
10		"	2	1 32	70	48	41,	0	-	41	2	
11		1	3	1, 34	72	49	40	,	,	"	7	
Mid.		"	4	7 32	72	47	44	"		Care	8	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by		,	"

, 18 87.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences tentil 4am Constate, Light brege four Sotti.

leloudy, raining last halfhour foratch, Light brege four Sotti.

(egs) W. Kellogfinterrant 1900

John 4 to 8am

Overcast training. Light air fine 10° + 6°
(egs) G. P. Rees

Leculeurants upno

From 8 to Meridian

Overcost with steady orain act hingh the watch. Lifts broge from 16 E. O. 19. 20.

Called all hands to franctio, read Caticles for the government of the new, and mustion to the creek Comman. L. Necler (St. with, was found to to about without leave.

(see) W. M. Jonin Monte uppo.

Jome Meridian to 4 Me.

Overcast, rainy, light variable airs. (sys) W. Kellogy

Lewilenach uppo Jome & to meridian

Jame 4 to for Orone 41. 1. 1. 1. 1. 1. 1. Leave for the Seege form 21 x 6. several literty ment relunced, Sear to police station a description list of Homman of Reclaim (Ships direct) with an Afor of Frenty dodas moons for his apprehension.

(syo) W m minim

From 8 Am to midight

Alandy toool. Observed moralish, moderate bruge from h' +6 of

(40) W. Kellogy Lecilerant lyse

Morn's declination or local midnight = 51° 41' 57 2

Examined and found to be correct.

LOG of the United States Ship Essex atorfact alany yard Va

Hour. Knots. of Courses steered. Direction. Force of Highlin Ther. Dry Wet art of the weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M. I State of the Weather by symbols. A. M.	-				1	0											
A. M 1			1		WINDS.			BAROME	TER.	TEM	PERAT	URE.	0		lear ths.		
1 sidny dock. charte 3 3,37 72 47 4 oc Can 3 2 1 3 1,34 18 47 48 11 41 0 1, 11 3 1,34 18 41 44 0 1, 11 1 3 134 18 41 44 0 1, 11 1 5 1, 3 131 18 45 43 1, 11 1 1 2 132 18 44 43 1, 11 1 2 137 17 43 43 1, 11 1 2 1,37 17 43 43 1, 11 1 1 2 1,39 19 45 43 1, 11 1 1 1 3 1,39 11 45 43 1, 11 1 Noon.	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Clouds, by symbols.	Prop of C Sky, in 10	of the	Record of the sail the vessel is under at end of watch.
2 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	A. M	1	eds	dock.	chaté	3		30 37	72	47	40		oe	Cun	3		
3	2		0		1	3								,	1		
5 1, 3 1,8 45 43 acg tint 1, 2 1,32 1,8 45 44 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	3				"	0		1, 34	18	41	44			"	"		
6 1, 2 13218 4, 42 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	4				,	0		" 32	1,7	41,	43		."	"	"		
7	5				',	3		" 31	1.8	45	43		acq	Namb	11		
9 2 1, 37 17 43 43 " " " " 10 10 10 10 11 11 11 11 11 11 11 11 11	6				1,	2		1 32	18	45	43		",	"	"		
9 2 1, 39 1,9 45 43 00 1, 11 10 11 2 1,39 1,1 45 43 1, 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11	7				atxu	2			_	44	44		1	"	"		
10	8				"	2		" 37	1.7	43	43		,	4	0		
11 11 11 11 11 11 11 11 11 11 11 11 11	9				ah	2		1, 39	1,9	45	43		oc	"	"		
Noon. etch 2/ 3 1, 36 1,5 45 43 1, " ()	10				"	2		, 39	1.1.	40	-43		"	',	1		
	11				"	3		1,39	10	45	43		"	",	11		
Distance was by Lor since preceding Noon	Noon.				etch th	3		1,36	1,5	45	43		,	, ,	6		
Distance win by Low sings preceding Noon	-		-														
Distance run by Log since preceding Aroun		Distan	ice ru	n by Log since pre-	ceding Noon									knots	fath	oms.	
Latitude by D. R. at Noon		Latitu	de by	D. R. at Noon										0	,	"	

Distance run by Log since preceding Noon	knots f	athoms.
Latitude by D. R. at Noon	0	, ,,
Longitude by D. R. at Noon	6	, ,,
Latitude by Observations at Noon ⊙	•	, ,,
Longitude by Chronometer from Forenoon Observations ©	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,,
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	196	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	3,140	"
Coal consumed during the preceding 24 hours	tons 2100	lbs.
Coal remaining on hand at Noon	50 . 21100	"

P. M.			
1 hadry Drek	11	3	3,07/19 41, 44 00 drin 0
2	"	3	11 38 70 44 44 " 1, 1
3	,	3	1 40 70 44 45 11 11
4	"	4	1, 41 70 44, 44 1, "
5	"	3	1141 70 46 43 11 1
6	"	3	142 72 46 43 11 11 0-
7	"	45	, 42 72 41, 48 or Culling 4
8	4	2	1 42 72 45 43 11 Cum heist 1
9	,	3	, 42 72 46, 48 ar mil 1
10	"	3	11 44 73 46 43 11 11 11
11	"	5	1 44 72 41 44 1, 1
Mid.	1	3	1,42 73 41,44 Av Com hind 1

Longitude by Chronometer from Afternoon Observations ⊙	. ,	"
Longitude by Chronometer from Observations *	,	"
Variation of the Compass by Amplitude observed at Sunset	• ,	"
Variation of the Compass by at		"

Examined and found to be correct.

Lieulenaut & Navigator.

of the United St	ATES	seep
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chafolk	Mary 3	laco o a
-	11	

		(A	spork .	shary -	Tac	~	0	~								
=				/	00												
					WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear the.	State	
He	ur.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	vay.	Height in inches.	Ther.	Air	Air Wet	Water at surface.	Weather. by symbols.	Forms of Clouds, by symbols.	of Clear in 10ths.	of the	Record of the sail the vessel is at end of watch.
			Fath		Direction.	T Orce.	Leeway.	inches.	att'd.	Bulb.	Bulb.	surface.			Prop Sky,		
A	M																
A.		0	,	2 11	1 26			7		"-			L	6.	4		
-	1	ke	dry	Doell	011)	2	-	3, 40					oc	1:1	1		
1	2		0		7	2		1 411	711	48	45		00	Mint	0		
	3				"	2		1 40	72	47	44		be	11	2		
	1					2		1, 39	711	47	45		"	Cum	9		
	5				4	,		"	711	45	44		,	"	5		
								11 39	-	45	44	3	re	,	0		
3	6				'1	2		/	/"					chains	1		
	7				'1	2		7 40			43		7	7	0		
-	8				"	2		, 30	70	45	44		',	0"	0		
	9				4	1		, 32	72	46	44		"	* Fried	0		
1	0				At the	,		, 3,	1.7	46	45		"	Ci ain	0		
1	,					,		, 34.		1			20/	Ci Hum			
	33				1	,					11111111111		P.	cu ram	7		
No	OII.	-			,			, 31	114	-48	41		oc N	"	0		
-																	
	1	Distan	ce rui	by Log since pre	ceding Noon									knots	fath	oms.	
		atitu	de by	D. R. at Noon										•	,	"	
				y D. R. at Noon											,	"	
	1	atitu	de by	Observations at No	oon O									•	•	"	
	1	ongit	ude b	y Chronometer fro	m Forenoon Observ	ations	0							•	,	"	
	(Curren	nt dur	ing the time	knots fr	ns. pe	r hou	r, setting	to the	е							
	1	Variat	ion of	the Compass by A	Amplitude O observ	red at	Sunr	ise						•	,	"	
					zimuth o observed										,	"	
						1 at								21			
				nded during the pro	eceding 24 hours									3511	gal	lons.	
	1	Water	-		during the pre-	ceding	24 h	ours									
	1	Water	rema	ining on hand fit fo	or use at Noon									2.69	4		
	(Coal c	onsun	ned during the pred	ceding 24 hours								t	ons		lbs.	
				ing on hand at No										"		"	
			Custon	ing on hand at 110													
T			7														
P.	M.	0				-							0 1				
	1	he	dry	dock	AAN.	1		3, 28	1,8	49	47		Leh,	Cu new			
	2		1		",	1		11 24	15	-511	48		och	1	0		
	3					,		11 52		100000			,,	1,	0		
	4				",	,		11 21	200000						0		
					,	1					1			1			
	5				"	1		1, 22					1,	3	0		
	6				·6	1		1 20	7"	49	47		oc	sto	7		,
	7	100	313		824	1		1, 20	71	49	47		oem	chuit	0		
	8				"	1		1, 20	1	-	47		60	Cui	5		
	9				"	,		11/5	7,	1	46		och	11	6		
	10	1				,		1	-		17.77						
77		1	1		1	1		1 13	10000	47	1700	-	1.	"	7		
	11				1	1	-	11/2	11	47	45		1	"	8		
M	Iid.				"	1.	-	" 09	71	47	45		1	11	4	113	
-		-				1			1					-			

under the command of Bournauder att Mo Corneck , U. S. Navy,
Suesay Decr 6 , 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communous Securit & All bregs from X 10, Bornates steady Brifes mornlight.

(341, G.P. Rees

Luiterant) type

From 4 18 Alle Delpt bregs from 50 4 81, Read at Pays Deft 105 lbs from bloody grand Light bregs from 50 4 81, Read at Pays Deft 105 lbs from blood 100 lbs regitables.

(49) M. Kellogy

Similar amb 10 fles

Marker impriry quito blowant, at latter hart of watch. Barroweter deady. I arranger's mechanics at war on the ship, at 9 30 meeting rampately the could or granter, and excessed the gam demans, I the Smith for Mr. Associated from this state in the same transfer a state of the middless, to remark the first at the south of the Comment of the same transfer as the state of the Comment of the same that a state of the Comment of the same that have (ags) it Rochers

There are the cold. Lift bregs from 24 41, Rammeter facting Mary

Jan meedian love the Ship worked have (ags) it Rochers.

There was rechained at work on ship (ags) after facting Mary

Jan meedian love the ship bregs from 24 41, Rammeter facting Mary

Jan meedian love the ship bregs from 24 41, Rammeter facting Mary

Jan meedian love the ship bregs from 24 41, Rammeter facting Mary

Jan meedian love the ship bregs from 24 41, Rammeter facting Mary

Jan mechanics at work on ship (ags) after the Ship Scinting or 32 2 2 2.

From 8Pm to Midwight.

Neacher generally clear & pleasant. light air from SW. Barmela falling.

(gy) CRRees

Liealunants eger

Momis declination at local zuidnight = ,21° 19. 33 A

Examined and found to be correct.

Siculturant & Navigator.

Longitude by Chronometer from Afternoon Observations ⊙

Variation of the Compass by Amplitude observed at Sunset

Longitude by Chronometer from Observations

Variation of the Compass by

cı	tong	lal	ex atao	y Fard	V	a										
				WINDS.			BAROM	ETER.	TE	MPERAT	URE.			Bar 18.	-	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leevany.	Height in inches.	Ther att'd.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sen.	Record of the sail the vessel is unde at end of watch.
A. M	6	do	y dock	45%	2		3000	la	46	45		belo	Cum	4		
2	on	0		,	2		in no						"	4		
3				,	2		3, 1,1			1000		,		3		
1				,	2		39 99	1000		1000		"	"	4		
5				8826	2		29 9.	10000	1000	1000		o-e	Que Stronit	+ 11		
6				*	2		29 91		1000	-		"	chor Cur			
7				7	2		29 49		10000	1000		"	mis	1		
8				Sop	2		2990			1000		"	,	0		
9				"	2		=9 89			1		00	Ci him	,		
10					2		-g.87			1	-	"	Cu	f		
11				7	2		2981,	3300		1000		"	"	1		
Noon.				,	2		29 84	1	1	1		"	"	8		
110011					-											
	Distar	ce m	n by Log since prec	eding Noon									knots	fath	oms.	
			D. R. at Noon										0	,	"	
			by D. R. at Noon											,	"	
			Observations at No	oon O									•		- "	
			by Chronometer from		vations	0							•	,,	"	
			ring the time				r, setting	g to th	ie ·							
			f the Compass by A											,	"	
			the Compass by A										•	,	"	
			nded during the pre										350	gal	lons.	
	Water			during the pre	eceding	24 h	ours									
	Water	rema	nining on hand fit fo									. 2	344			
	Coal c	onsur	ned doring the prec	eding 24 hours								/ t	ons / 6	,	· lbs.	
	Coal r	emair	ning on hand at Noo	on ·									" 198		"	
P. M.																
1	luc	dry	Docio	Hear "	3		39 8.	3/11	05	48		be	Cum	6		
2		0		"	3		29 8	1/1	09	51		"	,,,	5		
3				Actor	3		29 81		13000			',	Cino mind	3		
4				176	3		29 82	1,1	18	51		,	"	2		
5					3		29 83					,,	len Cum	8		
6				"	2		2983	17	53	44		"	li	9		
7				ctctt	2		2992	119	51	42		v	Some	10		
8				"	2		30 01	71	49	42			11	10		
9				"	2		3,00	117	47	41		1	4	10		
10				,	3		30 07	10	45	39		,	"	10		
11				"	2		3,0	9 1,3	44	38		"	"	10		
Mid.		1		"	2		3, 09		-			"	"	10		
								-								

Commune Suntil 4 au . blondy whazy. moon faintly visible, Light breze from Hoth. (90) co. m down Master zyno

From 4 to Faw.

Neather dull & Amealing, Barometer fueling, Clouds runihor stratus, and
neintes, Light to genete breeze jum SH to SSH. Recis on board for Ships'
company 105 llo lack of first benfand vegetables, 4 85 llo first head.
Returned to contractor 53 llo frager potators which was xufflied in.
(ast issuing of fresh privaisons. (20) R. Rohner
Levilenant 1910.

Bloody cool & dawf first fact of watch, clear & pleasant latter fact.

Moustern at quarters as 920, The following names men an about from Ship after expiration of lead vij. James a. Devolin (2 ofin) Maurice Vincient (2 ofin) This. E. Indon (2 offin), Jeneway M. Sweeney 11 a fin), By order of Com a Africa H. I. Nella (Sh Anler) having absentes himself since the 30 inst, with manifest intendion of destring is declared a deserter. Exercesed 1242 Dir, as great gives, 30 Dir as Riigh sticks, Produ Dir in Magazini & Buch Dearb, and Mairie Juan Sar Infanty. Loved Sail at 11.30.

(990) CRRees

Lieutenauts, Afth

Menidian to 4Pm Pleasant weather. moderate breeze from We, handring to u. W. ar 300 fewler sail & squared yards. Hay Ford conkinent candling ship netride.

Chair Midw Emmet left the ship ou leave of absence for one week.

(ogs) WM brine

Masker 2406.

Elean & pleas auch, Light breeze from nother. The moon rose at 6,45 mustind ar quarters at 5,45 Served our clean hammocks (egs) CRRend

Som to Milnight.

Clear torol. Bright mornlight totalight, Light breeze from Act It.

Spot with morning to the startight, Light breeze from Act It.

Spot with morning to the startight of the section of

moon's beclination allocal midnight = 19° 33. 54 t

Examined and found to be correct.

Teilereaut & Navigator.

LOG of the UNITED STATES Ship "Essex" Any Jan Arofolk Ta

Longitude by Chronometer from Observations

Variation of the Compass by

Variation of the Compass by Amplitude — observed at Sunset

										-				1		
Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	Force.	Leeway.	Height in inches.		-	Air Wet Bulb.		State of the Weather, by symbols.	Forms of Clouds, by symbols.	p of Clear 7, in 10ths.	State of the Sea.	Record of the sail the
		Fat				Lee	inches.	att u.	Bulb.	Bulb.	surface.			Prop Sky,		
A. M.	0		1	A th	,		2	,	11.	41			chau	10		
1 2	tre	0	y Dock		,		3, 09	1111	40	35		"	·	10		
3		-		",	,		1,14					,,	"	10		
4				"	1		" 14		1000			.,	"	10		
5				,	1		11/4	Process of	1000	10000		, ,	"	10		
6				~	1		, 11,		1	10000		,	"	10		
7				p	1		11 18	05	35	32		"	1	10		
8				"	1		7 24	404	36	33		".	"	10		
9				"	1		1, 21,	00	38	34		, ·	"	10		
10				125	1		1, 29	08	40	36		40	Cui	3		
11				7, .	1		, 29	10	42	38		"	"	2		
Noon.				A.	1		, 29	10	43	38		"	"	4		
	Distar	ice rui	n by Log since pred	ceding Noon									knots	fath	oms.	
	Latitu	de by	D. R. at Noon											,	"	
	Longi		y D. R. at Noon										•	,	"	
													. 0	,	"	
			Observations at No													
	Longi	tude b	y Chronometer from	m Forenoon Obser									•	.,	"	
	Longi	tude b	y Chronometer from	m Forenoon Obser	fms. pe	r hou	r, setting	to th	e					.,		
	Longi Current Variat	tude b	by Chronometer from the time of the Compass by A	m Forenoon Obser knots f amplitude ⊙ obser	ms. pe	r hou		to th	e				•	.,	"	
	Longi Curre Variat	tude b	by Chronometer from the time of the Compass by A	m Forenoon Obser knots f amplitude ⊙ observe	ms. pe	r hou		to th	е				•	, ,	"	
	Longii Currei Variat Variat Water	nt dur	by Chronometer from the time of the Compass by A	knots f kmplitude ⊙ observe zimuth ⊙ observe ecceding 24 hours	ims. pe ved at d at	r hou	ise	to th	е					gal	" lons.	
	Longil Current Variat Water Water	nt dur tion of tion of exper	by Chronometer from the time of the Compass by A the Compass by A nded during the present the compass of the present the compass of the compass by A nded during the present the compass of the compass o	knots f kmplitude © observer ceding 24 hours during the pre	ims. pe ved at d at	r hou	ise	to th	е				350	gal	" lons.	
	Curred Variate Variate Water Water	nt dur tion of tion of exper	by Chronometer from the time of the Compass by A anded during the pre-	knots f kmplitude © observer ceding 24 hours during the pre- or use at Noon	ims. pe ved at d at	r hou	ise	to th	e				350	gal	" lons.	
	Current Variate Water Water Water Coal	tude b	by Chronometer from the time of the Compass by A maded during the presentation on hand fit for med during the presentation of the compass by A maded during the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the compas	knots f knots f amplitude © observe eceding 24 hours during the pre or use at Noon eceding 24 hours	ims. pe ved at d at	r hou	ise	to th	е			to	350 1994	gal	" lons. " lbs.	
	Current Variate Water Water Water Coal	tude b	by Chronometer from the time of the Compass by A anded during the pre-	knots f knots f amplitude © observe eceding 24 hours during the pre or use at Noon eceding 24 hours	ims. pe ved at d at	r hou	ise	to th	e			to	350	gal	" lons. " lbs.	
	Current Variate Water Water Water Coal	tude b	by Chronometer from the time of the Compass by A maded during the presentation on hand fit for med during the presentation of the compass by A maded during the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the compas	knots f knots f amplitude © observe eceding 24 hours during the pre or use at Noon eceding 24 hours	ims. pe ved at d at	r hou	ise	to th	e			to	350 1994	gal	" lons. " lbs.	
	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor	knots f knots f amplitude o observe eccing 24 hours during the pre or use at Noon eccing 24 hours	ims. pe ved at d at	r hou Sunr	ise			38		to	350 1994	gal	" lons. " lbs.	
. M.	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A maded during the presentation on hand fit for med during the presentation of the compass by A maded during the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the presentation of the compass by A maded during the compas	knots f knots f amplitude © observe eceding 24 hours during the pre or use at Noon eceding 24 hours	ims. pe	r hou Sunr	31, 27	70	4			to	350 1994 ons 22,	gal	" lons. " lbs.	
. M.	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor	knots f knots f amplitude o observe eccing 24 hours during the pre or use at Noon eccing 24 hours	ims. pe	r hou Sunr	ours	70 70	4	39		to	350 1994 ons 22,	gal 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	" lons. " lbs.	
. M. 1 2	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor	knots f knots f kmplitude observe eceding 24 hours during the pre or use at Noon ecding 24 hours on	ims. pe	r hou Sunr	31,27	70 70 72	45 45	39		to	350 1994 ons 221 " 211	gal 2 10 2 10 2 2 2 2 2 2	" lons. " lbs.	
1 2 3	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor	knots f knots f Amplitude © observe eceding 24 hours during the pre or use at Noon ecding 24 hours on	ims. pe	r hou Sunr	31,27 1, 26 1, 26	70 70 72 70	45 47 47	39 40 41		to	350 1994 ons 22,	gal 2 1 2 2 2 2 2 2 2	" lons. " lbs.	
. M. 1 2 3 4	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor was a dream of the compass of the compass by A anded during the prediction on hand at Noor was a dream of the compass of the c	knots f Amplitude © observe ceding 24 hours during the pre or use at Noon ceding 24 hours on	ims. pe	r hou Sunr	31,27 " 26	70 72 70 72	45 47 47	39 40 41 40		to	350 1994 ons 220 " 211	gal 2 2 2 2 2 2 2 2 2	" lons. " lbs.	
. M. 1 2 3 4 5	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor	knots f Amplitude © observe caimuth © observe ceeding 24 hours during the pre or use at Noon ceeding 24 hours on	ims. pe	r hou Sunr	31,27 " 26 ", 26	70 72 70 72	45° 47° 46°	39 40 41 40		to	350 1994 000 221 " 211	gal 20 2 2 2 3 6 7	" lons. " lbs.	
2. M. 1 2 3 4 5 6	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor was a dream of the compass of the compass by A anded during the prediction on hand at Noor was a dream of the compass of the c	knots f Amplitude © observe caimuth © observe ceeding 24 hours during the pre or use at Noon ceeding 24 hours on	ims. pe ved at d at ecceding	r hou Sunr	31,27 1,26 1,26 1,26	70 70 72 70 72 70-70-	45° 47° 46°	39 40 41 40 41 40		to	350 1994 "211 "4"	gal 2 2 2 2 3 1	" lons. " lbs.	
2. M. 1 2 3 4 5 6 7	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor was a dream of the compass of the compass by A anded during the prediction on hand at Noor was a dream of the compass of the c	knots f knots f kmplitude © observe eceding 24 hours during the pre or use at Noon ecding 24 hours on	ims. pe ved at d at ecceding	r hou Sunr	31,27 1,26 1,26 1,26 1,29	フロファンシーンン	45 45 47 46 47 40 THO	39 40 40 40 41 40 39		to	350 1994 000 220 " 200	gal 20 2 2 2 3 6 7	" lons. " lbs.	
2 3 4 5 6 7 8	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor was a dream of the compass of the compass by A anded during the prediction on hand at Noor was a dream of the compass of the c	knots for amplitude of observe eceding 24 hours during the present on the second of th	ims. pe ved at d at ecceding	r hou Sunr	31,27 " 26 " 46 " 26 " 27 " 29 " 29	70 72 70 72 70- 75/15	45 47 46 47 40 40 40 40 40 40 40 40 40 40 40 40 40	39 40 40 40 41 40 39 89		to	350 1994 1000 220 11 200 11 11 11 11	gal 2 2 2 2 3 6 7 8	llons.	
P. M. 1 2 3 4 5 6 7 8	Longii Currei Variati Water Water Water Coal c	tude b	by Chronometer from the time of the Compass by A anded during the prediction on hand fit for med during the prediction on hand at Noor was a dream of the compass of the compass by A anded during the prediction on hand at Noor was a dream of the compass of the c	knots for amplitude of observe eceding 24 hours during the properties on the second of	ims. pe ved at d at ecceding	r hou Sunr	31,27 1,26 1,26 1,29 1,29 1,29	70 72 70 72 70- 75 /15	45 45 47 46 47 40 - 45 44	39 40 40 40 40 39 89 39		to	6 3 50 1994 Ons 3 20 11 11 11 11 11 11 11 11 11 11 11 11 11	, gal 20 2 2 2 3 6 7 8 9	llons.	

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes duntil 4 ani.
Communes duntil 4 ani.
Communes de de la Light anis from 2 4 114, Bright mornilight.

(cyo) W. Kellogg
Lientenant afort

Comme 4 to Faw

Comme 4 to Faw

Copos Col. Rees

Lientenant light

Lientenant light

Lientenant light

From & acu to Moridian
Chear & pleasant. Light briege from he, Went to quarters for wispertion at 9.2"
Exercised 1st 2- 430 divisions at great Junes & Provder Dir at fassing fonder.

(Sy) W.M. Irvin
Moaster upon

Meridian to 4 mm.
Clear & pleas aut. Light breeze from not 14. at 1-exercised 1 & Dis at Swigle sticks, 2° +3° Div ar small arms. at 4 called all hands to quarters sturned in clean hammocks. Lieux Benyman agner returned from o days lead of absence. The following named men wire found absent from the ship after their leave had experied ing. James, a. Deolin Maunce Vuicent + Tho & Gordon 2° Cfini) + Jennice M'Sweeney (1° Cfire)

(egs) W. Kellogg

Lucilitant ufno

4 th 8 Pm Pleasant weather, Light air from new, Bright startight laster fout.

(egs) Whe Immi
Moaster age

From 8Pm to Midnight.
Clear & cool. Light breeze from notte Bright mornlight.

(op) 10. Keelrys
Lieulenaub zon

Moon's declination at local midnight. - 16 vi, or A

Examined and found to be correct.

LOG of the United States Ship Essex chang you & Anfock ra.

				WINDS.			BAROME	TER.	TEN	PERAT	URE.	State of the	Former	lear ths.	Carro	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M	Se.	dry	dock	eth	,		31, 27	18	39	34		v	chine	10		
2		0		"	1		1 27	19	39	35		"	,	10		
3				of	1		1 28	18	38	35		"	,,	10		
4				S24	1		1 28	1.8	37	35		,	1,	10		
5				,	1		1, 28	1.8	37	35		"	"	10		
6				4	1		, 18	11	35	38		"	"	10		
7				,	1		, 59	,	1000			be	bir	9		
8				',	1		1 29	,	-	30-		"	11	9		
9				,	1		, 29	1,7	39	36		",	"	9		
10				"	1		, 31,	1.8	40	37		V	nnu	10		
11				d.	1		, 27	711	48	43		"	"	10		
Noon.				"	2		, 28			40		"	.,	10		
Distance run by Log since preceding Noon knots fathoms.																

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	, 0	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, "
Longitude by Chronometer from Forenoon Observations ©	•	,' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	200	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	11,94	L "
Coal consumed during the preceding 24 hours		oo lbs.
Coal remaining on hand at Noon	47 " 1	1111 "

P. M.		00									
1	In Dry Dock	South	1	311 21	72	04	45	00	Cu Sh	8	
2		"	1	1, 21,	73	07-	46	"	"	2	
3		of 8 p	1	1 24	72	UV	47	"	',	2	
4		Att &	1	1, 54	72	54	47	. "	"	1	
5		',	1	, 26	70	10	44	",	4	1	
6		,	1	1, EX	70	13	47	. "	"	1	
7		,	1	, 28	68	11	47	,	1	1	
8		",	1	1 24	70	00	40	"	1,	6	
9		,	,	1 24	75	10	41	1,	,	4	
10		,	1		4		4	,	1	7	
11		,	1	1, 23	10000			",	1	8	
Mid.		"	1	, 23	10	47	44	"	1,	9	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *		,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at	•		"

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences xenetil 4 acu, blear, cold + pleas aut, Bright moon and slavfight, Light an's varying from HU to SW. Barometer Steadys (ago) K Robour Lecilemant agree

From 4 W face Light air from 6th. Reced in Pays Deft for are of ever 100 do each of fish but toegetables.

(egs) W.M. brown "Masker upus

Clear & pleasant. Light airs from 5°, at 9° mustered vinsperted at quarters. The following names must were found about authors four, James a Derlin, maurice Vincent, the 6° Godow 2 cfire, and Jenewe Mc Sweeney (° pm), By order of Comog officer the above named men, having been about from the ship since the 5th wist, and not showing any disposition to return were declared desertes from this ship and from the Maral service, armed + manual bouts for landing to beat bouts asile.

(op) W Keelogy

Levilenach nymo

Mocidian to 4 th Measant, Barmela faching clonly, blonds cinus to the action close of pleasant, Barmela faching clonly, blonds cinus to com's stratus, Light brege from Sto St., at 100 undert sails + lander the topsails of forsail on dock, to go to sail loft to be posited with reanilla, Unshackled topsail type, and sour them and the hammock gottoms to Riging left in the yard to to changed. Condratty me Cornwick left the ship or I days leave of absence.

Ht. 8BM
Cloudy & pleasant. Light and from noto- ar of musteur air quantus.

(ap) Wheelery
Luntunant upp

Ant midnight.
Weather clear Apleasant. Light breeze finn nn 6. Barmeter steady at 30 23. Might morn light Astaclight, a stratum foliale morning to Est.

(gg) K. Roherr

Sienten ant super

morn's declination at local midnifet = 13-39,00 of

Examined and found to be correct.

Veceleccast & Navigator.

. chang Jans charfack you

	-	<u></u>				-			_	-	-				-	
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear this.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leewny.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vess at end of watch.
A. M.	10	dry	Dock	116	2		3, 24	12	46	44			ctone	10		
.2		1		etet th	2		" 24	711	47	43		"	,,	10		
3				,	3		"25	17	46	*3		"	"	10		
4				crop	4		1 20	60	46	40		"	4	10		
5				"	3		,, 26	1,5	45	40		"/	1	10		
6				"	4		1 27	111	45	40		"	"	10		
7				"	3		1 33	1.11	45	40		ve	Cir	4		
8				"	3		133	1/2	45	40		"	. "	-		
9				crh	8		1 35	18	4,	40		"	"	6		
10				ab	U-		1 39	07	45	40		4	bir Ste	1		
11				,	0-		141	07	44	40		7	1	,		
Noon.				"	5		" 41					"	"	2		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, ,,
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙		, ,,
Longitude by Chronometer from Forenoon Observations ⊙	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1394	L "
Coal consumed during the preceding 24 hours	tons 19	u lbs.
Coal remaining on hand at Noon	tons 19.	-11 "

P.	. M.															
	1				at the	4		1,	42	10	44	39	re	Cu'sh-	-1	
	2				1	3				1000	1000	38		1		
	3			,	116	2					44	0000				
	4				ch	2					10000	37	4	Cii Shi Cum	8	
	5				"	3	100000		2000			35	" "	Cu'sti		
,	6			1	Nh	8						34	,	"	9	
	7		33		1,	2		"	03	19	40	34	1,	"	9	
-	8		-		"	1		1	vx	59	39	34	2	non	10	
	9				1	1						34	11	,	10	
	10				1	2-4	1	"	19	57	39	33	vg	4	10	
1	11				"	1						34	v	4.	10	
1	Mid.				"	2		"	60	00	40	35	"	"	10	
					CHAPTER STORY STORY STORY		1 200	1	100	100000000000000000000000000000000000000		100000	THE RESERVE OF THE PARTY OF THE	The second second	The same of the sa	

Longitude by Chronometer from Afternoon Observations ⊙	•		"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at	•	,	"

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communico Smutit 4 and Chegr from 2 46 th 20 4 14. Baronester Clear 4 cool. Suite bright of the plantight. (gr) GR Reed Sentenants 1900 3 mm 4 to 8 and Moderate bright from 20 4 14 Clear 4 cold. Moderate bright from 20 4 14 Clear 4 cold. Moderate bright from 26 th 1000 Rep (8. Kellogy Luidenants 1900 Baronetic principal desagness of Rengal gentle to from cotto 1000 Baronetic principal control of the 4 minuteurs at greaters. Hard to night of the to changed. The toppelant 4 minuteurs as quanties. Hard to night of the 4th changed. The toppelant 4 months of the 4th change of the toppelant of the 10 th 1

Morn's declination as local midnight = 9° 50 150 M. Jule morn

Examined and found to be correct.

Decelerand Navigator.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	D.	lear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols. Heather	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M	1	dn	dock	446	,		301,0	55	411	w		ctone	v	10		
2		1		"	,		11/11					"	",	10		
3				"	1		1 /12	03	30	53		"	1	10		
4				,	1		", 1.3	50	35	33		,	"	10		
5				"	1		1 13.	50	35	33		"	',	10		
6				"	1		1 1.3	מא	35	32		"	. ",	10		
7				"	,		1, 1,3					Sh	",	9		
8				"	1		1 43	V3	35	J2		"	',	9		
9				"	,		, 74	12	37	01		len Str	",	9		
10				86	2		" 74	62	39	34		bri.	22	9		
11				//	2		1 74	1,5	39	34		"	"	8		
Noon.				,	2.		1, 72	1.5	40	35		br' Cuns	"	7.		
	Distance run by Log since preceding Noon knots fathoms. Latitude by D. R. at Noon															

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, ,,
Longitude by D. R. at Noon	. •	', "
Latitude by Observations at Noon ⊙	•	, ,,
Longitude by Chronometer from Forenoon Observations ©		
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at		, "
Water expended during the preceding 24 hours	321	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	10%	9 "
Coal consumed during the preceding 24 hours	1 tons 1/11	o lbs.
Coal remaining on hand at Noon	45 " 28	-0 "

P. M.															
1	Suds	y Lock	16	2		3,	51	70	411	36	-	be	Coi Cum	9	
2	/		"	2		3,0	+1	69	42	37		"	"	8	
3			ENE	2		3,0						"	,	6	
4			,	2		300							lesi him		
5			,	,		3,	_	_				ve	leri	2	
6			"	1		3,1						",	"	4	
7			Calu	1		3,,	_	_		_		"	",	8	
8			"	1		3,	11.	1,9	41	37		"	,		
9			,	11		3,	18	711	40	36		"	"	6	
. 10			",	6		3,	18	1.8	39	80		,	"	5	
11			etct6	1		2,1	19	71	38	30		"	Eri Cum	6	
Mid.			"	1		211	6	70	38	30		",	"	V	
-			12-72-3-1-1	1	1	1									

Longitude by Chronometer from Afternoon Observations ©		"
Longitude by Chronometer from Observations *		"
Variation of the Compass by Amplitude observed at Sunset		"
Variation of the Compass by		"

From Faw to meridian

blear of blearant. Light breze from 36 36 8. Monatured at quarter as 9 30, the Exce

officer impedia she ship, the Fitzpalrian (Mu) about without leave

(ogs) ERRees

Lieutenant upm

Meridian to 4 Am

First part clear of pleasant, latter part onscent wron. Light briege from

Act E. Barraeta shady, Surperatura moderately cool. Strateum of alouds

coming from at x W (gr) W M brown

Moaster ugro

4t. Plus
Blear & pleasant. Light and scalins.

(Sp.) G.P. Rees

Levilenant afno

Am to Midnight
Pleasant weather. Light anis from n n & E.

(20) W M Brinn.

Moaster 1821.

Moon's declination at local midnight. = 5° 29° 41, 46

Examined and found to be correct.

Lieulenaux Navigator.

LOC	to t	the	UNITED STA	TES snip	-		x						,			nate, Guns,
,	nac	7	faid of	torfock.	0 -	-										
	1			WINDS.			BAROME	TER.	TEM	IPERAT	URE.			lear bs.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sen.	Record of the sail the vessel is under at end of watch.
A. M		Dr.	y Dock	ANE	,		3, 1,1,	41	34	31		00	lei	,		
2		0		,,	,		, 1,7	18	38	31,		"	. "	1		
8				^	,		, 1.1	7"	38	34		"	,	4		
4				,	1		" 15	1.8	39	31,		"	"	3		
5				"	1		" 1,5	1.9	38	31		v	chow	10		
6				,	1		., 1.4	70	31,	30		"	"	10		
7				"	1		", ".		10000	30-		ve	Con Sto	18		
8				"	1		1 /1/1	19	37	30		"	"	B		
9				"	1		1,18	7"	40	38		"	"	2		
10				86	1		1 11/1	1,8	45	43		"	"	8		
11				"	,		1 /14	1.8	471	48		"	bis	8		
Noon.				"	/		" len	1.9	14	49		"	"	9		
			n by Log since pred	ceding Noon									knots	fath	oms.	
			D. R. at Noon												"	
			y D. R. at Noon												".	
			Observations at No										•		"	
	Longi	tude b	y Chronometer from	m Forenoon Observ	vations	0							•	1	"	
	Curre	nt dur	ing the time	knots fr	ms. pe	r hou	r, setting	to th	е						-	

Longitude by D. R. at Noon	• , ,,
Latitude by Observations at Noon ⊙	0 , ,,
Longitude by Chronometer from Forenoon Observations ⊙	0 / //
Current during the time knots fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	0 1 . 11
Variation of the Compass by Azimuth ⊙ observed at	• , ,,
Water expended during the preceding 24 hours	Zun gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	7/19 "
Coal consumed during the preceding 24 hours	tons 2100 lbs.
Coal remaining on hand at Noon	44 " 420 "

	P. M.													
	1	In say De	our of E	3		31100	1,5	5)	511		ve	bir	5	
-	2		"	3		3, 00	10000				4	1,		
	3		8	3	-	" 071	12	57	51		oc	chamit	0	
	4		8871	6		1 03	811	111	vv	- "	oev	"	0	
	5		1	U		11:0-4	811	5-9	52		oe	"	0	-
	6		1	U		" 22	- 80	01,	00		"	"	0	
	7		"	v		", "	80	~1	5.3		"	"	0	
	8		"	U		" 0-1	1	1000000		-	"	",	0	
	9		,	4		" 57	10	59	13		ve	"	0	
	10		",	3		", 48	1,0	7	5		oe	"	0	
	11		,	1		", 48	10	-07	53		4	"	0	
	Mid.		,	2		" 47	111	7	50		"	"	0	
	Marie Co.				1	1000000		1000	1	1000			9000	The state of

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by			"

under the command of bourn ander att n6° bornick Monday Decr 12 th, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commencing tuntil Hand (20 46°, Bright monlights (2) Cothetalogy Lieutenauch "MAD Clear & cool. Bright mornlight, Light aus from At & E.

(23) BRIRERS

Lientenaub Ggro blear warm, Light air from S.E. at 9 20 went to quarter for inspection, follows immedially by general quarters. Secured at 9.00. Unbent of bower chain & and trob feels to cras on dock & how tants Tho. Fitzpatness (Pm) returned from liberty fifty hours over time. (segs) to my from Mendian to & Am Mendian to Ithe Block from from from a front of mercast with plight springling of rain last half brew engages convering hour running riging and recorning Marriela in its place ses wheelogy Lieutenants again 4 to 8 Pho Cloudy overcast thusting, with light afriking of rain last hour. Tift breezed from det the Seux replaced heart rigging to store house post wondering Moaster upo 8 Am to Midinght.
Cloudy & pleas aut. Light breze from Soft of Collegy
Levelteraut agno mon's declination at local midight 1. 15. 49 A

Examined and found to be correct.

Lucitaria Navigator

3 Rate, 6 Guns,

F			0	0	WINDS.			BAROME	TER.	TEM	PERAT	URE.			2 4		
F	Iour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A	. M.	1	dry	Dock	7	0		31, 45	vs	04	50		vc	loni Ali	5		
	2		1		4	0		1 45	v8	52	49		"	"	4		'.
	3				Heat	1		THE REAL PROPERTY.		V2	1000		"	",	7		
	4				1	1		" 44	17	53	03		"	Ste	9		
	5				"	1		" #4	59	03	02		E	otone	10		
	6				,	1		11 45	14	53	12		"	1,	10		
	7				Sh	1		1 46	10	ox	03		"	"	10		
	8				,	1		1 48	1.1.	4.4	13		te	Cir	9		
	9				"	4		, 49	17	55	14		vc	",	9		
	10				"	5		" 211	1,8	1.4	04		"	"	9		
	11				SSM	5		, 45	19	1.1.	10		"	"	9		
	oon.				"	5		1,44	711	1.9	1.,		"	"	9		
_		Distar		n by Log since pred	ading Noon									knots	foth	ioms.	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ©	•	, ,,
Longitude by Chronometer from Forenoon Observations O	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		."
Water remaining on hand fit for use at Noon	4/19	7 "
Coal consumed during the preceding 24 hours	/ tons /	
Coal remaining on hand at Noon	43 " 31	" "

P. M.									
1	he on	Dock	1824	4-5	3,42	12 71 /1	" to	-	5
2	0		",	5	11 42 7	4 71 11	, 4	Cul Cum sto	1
3			"	5	1 411 7	1472 1	, ,	Cu'sto	4
4			,	2-4	1, 411	14 72 /11	, ,	1,	4
5			,	0		0 19 11		1,	2
6			,	2	, 37 6	9 17 0	9 "	Cu' Cum	/
7			"	2	1,387	0 1,5 11	ber	mint !	0
8			"	~	4 38 7	0 10 1.	, oe	"	
9			,	4	, 38 7	0 10-11	"	5 11	0
10			,	5	,300	8 14 /1	, ,	Cu' Cum	1
11			"	5	, 34 1	8 14 1	, ,	Q'sto	3
Mid.			"	1	1, 33 1	7 14 1.	, ,	" 3	3

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *		,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at		,	"

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Santie 4 and

Acather clear of leas out. Baronneter steady, Clouds stratus + ceins stratus, Calm

find half of watch + light airs from water in latter fact.

(95) K. Rothrer

Leintenant Ofer

From 4to fluw Light aus from Ht vering to SW. Book out for hold an' wake of souths, & under for farage. Latin over. for chefupose falaning bilges (pp) worse Denie Master years

Firm Sto Monidian
Clear Apleasant, Moddato breeze from St + St., Cour engages cleaning bilges to
fitting rigging, Dniled the Marin Grand. Of Mellogg
Leculous ryn.

Menide an to 41200 Hearth warmeter facting stroly bonis states, cumulus, uni cumulus Mechanicas at work on board. Com entitoyed in getting on board and buding toprails, formail & light sail. Light topoch breeze from SS It.

(Ogo, At Robinson Limituach afre

From 41.80m Clendy 1 occasional life shower of drighing vain last two hours. Jwatch. Life breze from S'+H', Harm. Fruites bending life sail + stowing hold. Open Wep Reelegy Similarants Type

From 8th Midnight

Heacher pleasant. Barrante steady Clouds cino-cumulos + cins stratus

Breze moderate to perh prom SSH. I

(Ogs) R, P. Pohean

Lintende uppor

Moris declination ar local midnight. = 3°. 13. 47 8

Examined and found to be correct.

Suitemant Navigator.

3 Rate, 6 Guns,

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Formane	Tear ths.	State	
Hour.	Knots.	Fathoms,	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb,	Air Wet Bulb.	Water nt surface.	447	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.		ony	dock	884	5		In 31	1.8	63	ha		ve	len	6		
2		8		"	5.		1 31					"	"	6		
3				,	5		, 28	1.8	1/2	hen		,	"	7		
4				7	5		1, 26	47	1.2	1. "		"	"	4		
5				,	5		,, 26	10	1.2	100		00	Minis	0		
6				7	4		,, 26	1.5	1.3	1.,		"	"	0		
7				,	5		7 26	70	1.4	1,		ocr	"	0	1	
8				7	5		1 56	72	1.5	1,3		ve ocd	Cu' Cum	, 2		
9				7	4		1 25	72	1.1.	10		ocd	chris	0		
10				1	4		1 25	72	1.7	1,3		7	1	0		
11				1	3		1, 25	72	1.7	1.5		"	"	0		
Noon.				"	5		", 25	70	1.8	115-		00	Cum	1		
			1 7	1. 17									knote	£.41.		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙		. "
Longitude by Chronometer from Forenoon Observations ©	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours		gallons.
Water received during the preceding 24 hours	2339	"
Water remaining on hand fit for use at Noon	2508	"
Coal consumed during the preceding 24 hours	tons 19	10 lbs.
Coal remaining on hand at Noon	tons 19	- "

P. M.											
1	In ony	DOCK	88%	5	30,5	7/ 70	64	oc.	Cu' Cum	3	
2	/		1	5	11 13	74 71	1.1	4	Com him	1	
3			,,	4	17			4	Cu ,	1	
4			,	3	1101	- TO THE R. P. LEWIS CO., LANSING		4	11 4	1	
5			-	3	110	7/19	1.4	"	in Cum	2	
6			",	2	,10	20 1.8	14	oe	V mins	0.	
7			",	2	1,09	7/ 1.8	1.5	20	Culcu	1	
8			",	2	1,10	70 17	1.4	00	Cw new	0	
9			"	5-	,08	721.7	1.3	"	nine	0	
10			"	4	1,08	71 17	1,3	ve	a new	1	
11			1	3	1 08	71 17	44			2	
Mid.			"	5	" .8	71 17	114	"	"	3	

Longitude by Chronometer from Afternoon Observations ⊙	,	"
Longitude by Chronometer from Observations *		"
Variation of the Compass by Amplitude observed at Sunset	,	"
Variation of the Compass by		"

under the command of Commander aft mo Commich Wednesday Deer 14th, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Communes suntil 4 am Quesally clear the so aut. In oduste breeze pour SSH. Baronester factings (ogn SPRees Lintenant agno Jone 4t. Fair Cloudy smill Light driggling between 6+7 octock. Reces in Pays Dep 96 lls each of puch buf and regetables + 77 braces of break testing Similarant ages From & Am to Mexican Const at mo Cormick & Cuder Midie & L & Emmet returned from leave for observed. Or 7.20 mustered and impected and of quarters, Rent the freshopmant staysail, Exting ready to get ship over of day dock, about four of mechanics at with an that ship, Sent ashore to stone, the heavy mening gear which has been removed (Syll) Il Rohmer Sentularly Officer Wenidian to 4 PM Heather cloudy & pleasant, Fresh breeze from SSW, By ander of Come of officer places How brady Funisher, in confirment on bread twother for ordays for wisebrodenation, transferred Mr Halter (Lea, to charal Ampital, Secured Ship in Muchanies arunk on board. Read 2339 gallo fiel water. 6 gd Stor Reis Surlements your Jame 4 to Palero Heather generally pleasant, though cloudy, Barmeter steady, Clouds com aucules, cumulus & ruintas, Chas. L. Moillo Neas, aus anation Petersons (okas chaming left the Ship withouts leave, an offer of \$20 was sent aslow for their offendaminon and deliving on board fearly them. Started fins in birles #5-47 at 540 (Sport of Robert Levilenants afor Leulerants afor From 8Pm to Miduight. Gento breeze from SH. Commenced distily fuch water at 1000 PRess Press Lieuterrauts Egn

Moni's declination ar local neidenight. 7° 40' 36'S

Examined and found to be correct.

Sefuliant Navigator.

LOG of the United States Ship Enex

	1					-									-	
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear Oths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	777	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is un at end of watch.
A. M.		dry	Dock	at 2h	8		31, 13	6-	סיט	47		oegr	mint	0		
2		1		"	7		" 15	65	48	46		"	"	0		
3				"	8		" 18	63	45	40		"	"	0		
4				. "	8		" 19	61	44	42		ocq	"	0		
5				"	5-7		1 20	18	44	42		ocr	"	0		
6				"	5-7		126	55	44	41		"	1	0		
7				76	5-7		1 28					oe	"	0		
8				',	4-6		1 30		_			och	',	0		
9				etet 6	4-6		,34					"	4	0		
10				,	x		1, 42			_		"	7	0		
11				"	3		1, 43					00	1	0		
Noon.				,	4-9		, 43	78	40	36		ocq.	"	0		
Distance run by Log since preceding Noon knots fathoms. Latitude by D. R. at Noon																

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙	•	, ,,
Longitude by Chronometer from Forencon Observations ©	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude O observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at		, ,,
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2208	
Coal consumed during the preceding 24 hours	/ tons / 7 6	So lbs.
Coal remaining on hand at Noon	40 " 118	0 "

P. M. /							
1 on Dry Does O	76	7	30 43 76	39 35-	acq	Muil	0
3 ,	"	5	1, 43 73	41 36	beg		3
3 mondo to wood	,	5	4 43 72	4/35		Cum Min	4
4	"	7	1 47 76		"	"	5
5	"	1	4 49 71	40 35	4	,	2
6	1	6-7	1,00 68	39 04	"	1	2
7	1	6-7	4 00 67	39 35	och	4	a
8	4 .	6-7	1,0069	3934	"	"	0
9	26 2h	5-7	1 57 70	53731	",	Euris	0
10	',	V-7	1 57 63	3 37 32	"	1,	0
11	1	4-6	1 55 60	, 38 33	4	4	0
Mid.	,	5-6	11 00 60	39 34	11	"	0
					The state of the s	The state of the s	CONTRACTOR OF THE PARTY OF THE

under the command of Commander at Mo Corneich , U. S. Navy, Thursday Dec 15th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences saute 4 and Concrete that the configuration of the stand of the control of the control

Momis declination at local midnight - 11° 54 49" &

Examined and found to be correct.

Lewiter see & Navigator.

LOG of the UNITED STATES Phip Essex Awy Jans Aufolk on

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear the	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is und at end of watch.
A. M.				1 2/	,		2 4		-				10,	3		
1 2	m	med	book	at th	6		30 0h					"	Ceris	7		
3				"	7		4 5%	12	31	31	_	te	Cu' pli	,		
4				n n E	6		9 5%		- /			"	"	6		
5				ANG	5 5		4 5%	57	34	3,		4	Cil "	7		
6				"	4		9 58	49	34	3,			Cun sto	1		
8				"	4		1 /14	Fg	35-	31		4	",	7		
9				",	4		1711					4	4	8		
10				,	4		1 73	1/2	36	32		4	"	6		
Noon.				"	4		173	de	37	33		4	,	5		
			n by Log since pred	anding Noon									knots	fath	noms.	

knots	fathoms.
٠	, "
•	, "
•	, "
•	, "
•	, "
•	, "
3119	gallons.
	"
1900	
1 tons of	o lbs.
149 " 62	0 "
	· · · · · · · · · · · · · · · · · · ·

P. M.										
1	Mond to Doco	hnp	3	30 118	15	39	35	be	Cisti	5
2		"	3	4 45	13	39	34	1	4	6
3		"	4	4 10	52	38	34	4	11	7
4		',	4	" lele	00	38	36-	4	4	9
5		"	4	1, 19				4	,	9
6		,	3	172				1	-	9
7		"	3	4 76	76	37	35	6	4	10
8		1 24	2	1,76	72	37	35	"	"	10
9		"	3	, 73	70	35	32	1,	4	10
10		1	2	1 70				1,	4	10
11		1	2	1,70				"	1	10
Mid.		"	2	" 70	70	31	31	"	"	10

under the command of Commander at Mo Commick Finday Deer' 16 \$, U. S. Navy, , 1887. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences Luntier aun begg fine 20°+11°, Bright moonlight.
Commences Luntier aun begg fine 20°+11°, Bright moonlight.
Commences Luntier aun beggg

Vieilenant upper Elear toold. Stiff brege from 20 +6 - stoffe & disticking as 6. Communed coaling whip as 6.20 Communed Cogal believe ages Some & Bu to Mountage Pleasant weather, moderate bruge fruit 21x E. Finished coaling ship at having taken in 110 trus, Exercised Mauri Guart as Infanting theties.

Moaster ugul From Meridian to 4 Pm Clear toold, moderate begg from 26° tot of at 14" loved sail.

(op) Willesting gen

Suntenant lager From H to FBW believ Apleasant, Light breeze from AW, at 400 finded sail + equands yands. Went to quarters at 5.00, the following manes men wen about notices leave, chas. L. mille (lea) audnes Peleiron Des) & Reven Johnson Rea (200) construire
Waster ugu

From 8th Mederath Clear yard. Light brege from 20°+ stor Bright statisht. Gest the ellogy Lucileudech before

Mon's declination or local individualit. - 15 44 04 & Last Luarter

Examined and found to be correct.

LOG of the United States Ship Cesex chang you aborfock or

3 Rate, 6 Guns,

	0			WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	lear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather. by symbols.	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sen.	Record of the sail the vessel is under at end of watch.
A. M.		erei	(to Doell	nxes	,		3, 70	1,	34	31		b	Cú	10		
2				nu	1		1 1.9	1.5	35	32		"	"	10		
3				1	1		1 1.7	1.5	35	32		. "	4	10		
4				1,	1		11/17	1.5	34	31		1	"	10		
5				4	1		1 1.5	1,5	83	31		"	"	10		
6				. "	,		9 1.5	114	33	31		Le	"	9		
7				SE	,		" 1.4	1,2	33	31		6	",	10		
8				11	2		1 14	1.0	34	32	-	te	4	9		
9				",	,		1 1.4	61	36	33		"	"	9		
10				"	1		1 1.5					"	1/2	9		
11				1	1		1. 1.8					"	Ži-	9		
Noon.				,	2		, 1.6	70	45	43		"	"	9		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon		, "
Longitude by D. R. at Noon		, ,,
Latitude by Observations at Noon ⊙		, "
Longitude by Chronometer from Forenoon Observations ⊙	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at		, "
Water expended during the preceding 24 hours	211	gallons.
Water during the preceding 24 hours	200	
Water remaining on hand fit for use at Noon	2300	5 "
Coal consumed during the preceding 24 hours	/ tons // (60 lbs.
Coal remaining on hand at Noon	147 " 70	0 "

P. M.										
1	mornis	6	1	31/13	74	4543	de	Stra	9	
2		23.11	1	1, 59	10	50 46	4	11	9	
3		Sus	1	1, 7	72	02 47	4	4	9	
4		"	1			12 47	1	1	9	
5		1	1			52 46	de	1,	10	
6		,	1	" 22	70	46 43	"	"	10	
7		,	1	1 04	70	45 42	4	1	10	
8		"	1	106	70	45-42	"	"	10	
9		SSW	1	,56	72	44 42	"	1	10	
10		,	,	1,57	72	-43 41	"	1	10	
11		"	,	, 58	70	42 41	"	11	10	
Mid.	-	",	1	" 29	70	42 41	"	11	10	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	,
Longitude by Chronometer from Observations *	•	,	,
Variation of the Compass by Amplitude observed at Sunset	•	,	,
Variation of the Compass by at			,

under the command of Commander at Mo Cornics 10 , U. S. Navy, Saturday Dealy to , 18 %. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commence deutit & acu
blear & cold. Light breeze from WXX6. Barometer fiallery slowly. Bright
stailyter

Lieutenant of Omm 4 to faceld. Light airs from 6 of no Est, won Imin Moster Ugu Elear Acold, Light air from STE. Licalenants Ligra meridian to 4 PM Heather clear pleasant, light air varying in denotion from & to Sell Barracter feel from 30.63. In 21, 52. Read on board 33 appointer Boys, five Deamens, our only Lea, 2 Lanarmens, transfer from as & Colorado"—

Lead to the town.

Tom to to the town. Form #1.8PM Clear pleasant, Light and from South Cellogy Commenced Leveling Jonn Ht. 8Pm An to mixinght
Wearker clear & pleasant. Light airs four SW 1. SSW. Barmeter ving stary.

Gentlemant vgm Moon's declaration at local midight 18' 53' 22 & Sant Quarter.

Examined and found to be correct.

The Harke Navigator.

LOG of the United States Phip Essex

				WINDS.			BAROME	TER.	. TEMPERATURE.		State of the	Varma of	Hear ths.	State		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.		m	med to	Sow			311 56	69	41	39		L	Sti	10		
2		100	Dren	"			, 3	67	41	39		"	4	10		
3				1			" 17	67	40	39		"	,	10		
4				"			" 49	17	40	38		7	",	10		
5				"			7 49.					1	4	10		
6				,			, 49	67	40	38		4	"	10		
7				",			1 49	70	41	38		7	",	10		
8				SW			400	72	41	38		4	"	10		
9				,,			4 02					be	Ste	9		
10				"			, 14	69	43	4,		7	"	9		
11				"			400	72	52	45		4	"	91	,	
Noon.				Yf.			1, 48					" (um Sto	8		
_														0.1		

Distance run by Log since preceding Noon	knots fathoms.
Latitude by D. R. at Noon	0 , "
Longitude by D. R. at Noon	• "
Latitude by Observations at Noon ⊙	. , "
Longitude by Chronometer from Forenoon Observations ©	0 , "
Current during the time knots fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	0 , "
Variation of the Compass by Azimuth ⊙ observed at	• , "
Water expended during the preceding 24 hours	328 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	1980 "
Coal consumed during the preceding 24 hours	/ tons / 6 0 lbs.
Coal remaining on hand at Noon	146 " 1540 "
	1 tons 160 lbs

Р. М.			1							0			
1	morn to Dock	nnw	1		3046	70	55-	46		Le!	Cu	8	
2		"	1		, 47	75	17-	47		"	4	6	
3		"	0		1, 47			_		4	1	9	
4		unE	1		1 49					"	"	9	
5		"	1		100		_			4	Cu'sta	8	
6		',	1		1 02		_			4	1	9	
7		Sw	1		1, 55	12	47	42		4	"	9	
8		',	1		, 13	67	47	42		1	1	9	
9		"	1		, 53	67	46	43		4	"	9	
10		4	1		, 50	65	-44	41		1	4	9	
11		"	1		1 50	64	43	40		b	"	10	
Mid.		"	1		1, 50	62	42	40		"	"	10	
-			A COLUMN	1000	No. of Concession, Name of Street, or other Persons, Name of Street, or other Persons, Name of Street, Name of	10000	130000		and the same				1

Longitude by Chronometer from Afternoon Observations ⊙	,	"
Longitude by Chronometer from Observations *	,	"
Variation of the Compass by Amplitude observed at Sunset	,	"
Variation of the Compass by at	,	".

under the command of Commander at MC Connecto Sunday Dear 18th , U. S. Navy, , 188 RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences suntit 4 accel
Chartcold. Light breze from SSW, Barometer facting

Get) Belgees

Vientenant again From 46 faw Egh air from Sof Ho Reelogy afras Theacher clear & pleasant. Barometer facting slowly, light air from to Sw. arg. 20 hear to quarters, the ship be care livera arifected of the Comographica (ops) KRohner Luilmant of the Meideau to 4 Phu Click aus franc & Hotel, aus bedding Suciliant agno From 46 from

Meacher clear & pleasant. Light airs varying in direction non 6.16 SW

Baronter ving along, blands cern stratus.

(24) K. Rohren

Suitenant up SPruto Mondkiaghr.
Chartand. Light airs from Set realius. Barmuch charty.

Spot Chartant upon

Lewiterant upon Morn's declination at local miduet = 21° or 32" & Last Quarter

Examined and found to be correct.

Denteman + Navigator.

Lou of the	ONITED STATES THEY CEEK	-
,	Fart Norfock O	a
10 ham	Fart of ortall	

	0			WINDS.			BAROME	TER.	TEM	PERAT	URE.	St. C.	F	lear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	m	nne	de Doch	ow.	0		3,53	62	41	38		16	Ste	10		
2				"	0		100	60	40	37		"	"	10		
3				',	0		" 50	09	38	07		"	"	10		
4				"	0		1 00	19	39	26		7.	"	10		
5				"	0		1 16	57	38	06		"	"	10		
6				016	,		" 07	78	38	37		6"	"	10		
7				"	1		, 08	15	38	37		form	. "	9		
8				1	1		7 49	57	39	37		"	"	9		
9				,	0		1 63	1.1,	42	40		be	Cu	9		
10				7	0		,63	1.7	46	44		"	"	9		
11				chet 6	,		163	1.9	00	47		,	"	8		
Noon.				"	0		, 60	17	06	46		1	Ci Sto	9		
1	Distor		n by Log since prec	eding Noon									knots	foth	oms.	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	" "
Latitude by Observations at Noon ⊙	•	, ,,
Longitude by Chronometer from Forenoon Observations ⊙	•	, ,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours	831	6 "
Water remaining on hand fit for use at Noon	246	6 "
Coal consumed during the preceding 24 hours	1 tons 6 6	o lbs.
Coal remaining on hand at Noon	145 " 88	0 "

P. M.							
1	21	1	305861	04 47	Re	Cú	9
2	16	1	11 57 64		4	4	7
3	nrE	,	11 05 64	1 /	1,	4	7
4	"	2	, 60 80		"	,	6
5	706	2	109 83	07 47	oc	Sto	0
6	"	3	, 60 76	50 47	be	"	0
7	"	1	108 75	49 46	4	Cui	8
8	,	1	1 58 75	48 46	4	4	9
9	1	1	1,5874	48 45	- "	1	8
10	"	0	1, 18 7	45-44	,	Cu'sh	-8
11	,	0	1, 15-65			Ste	7
Mid.	",	0	1,5565	43 42	"	",	8
1000000		-				RESTRICTION OF	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	0	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by	•	,	"

under the command of Commander at Monday Dee 19 t, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Chartcalu, Bright statishts un Inin From 4 lo face Heather Colatelear. Light aus fun & E. dury lacle for fewatch, Banneles riving slowly. as 625 made signal dutering 5455, and Franklin accessed with 904 har 8 loved sair. Typis & Rohan.

Lewithrank again. Sault Mendian Chartphosaut. Light airs from. 20° + 6° - Lealen. Havy your medanies at work on board. Munters or quarters or 9", and drilles all sins at their respective duty for action, By order of Coney officer the following mound men having attentes themenens from the ship since the 14 twist, with The marifest wheatin of not returning are declared deseters, Chas L Miller (Lea) Jewen a Johnson (Vea, Confront Peterson (Sea, By same autinity Me brug (Tuishin) was released from confusion, ar 11th made interfy sujud 4826, Sufo Marin Quardrecieved leave of atruce to viet Washington with Friday morning. Suntenant oger Lucienant oger Moseide av & Phu lele av & calen, Light airs varying from hi to n 2 E. Com employed air blacking rigging. Havy your working employed blacking ship retricke and about deak. Ogsi correspondin Mosetur agm Htu fBN Clear & pleasant. Light brege from 76° + 8° Musleurs at quarters at 5.5. From 8Pm to midnight, Light and from 106, xealen, misty grater fact frontet, 1990 Toursbrien Marter up Marterryn Mons dochiation at local midnight = 22" 03 vb &

Examined and found to be correct.

Sinterior to Navigator.

		-	1	-	-											
				WINDS.	-		BAROME	TER.	TEN	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	D-160-30
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1		3100	Stowood	18	2		3,00	62	42	40		form	hui	10		
2				"	2		1, 17,	6,	4,	39		"	,	7		
3				,,	2		, 07	62	40	39		',	",	7		
4				"	3		11 02	65	40	39			4	10		
5				,	0		1, 00	60	38	36		of.	",	10		
6				,	1		1, 47	59	38	06		"	"	5		
7				et 2/2	0		" to	63	39	07		bof.	Cii	5		
8				"	0		11 49	62	4,	38		of oan	Co. plu	-0		
9				,	0		11 49		7-27	100000		,	",	0		
10					0		11 49	6,	42	38		bom	"	2		
11				SSW	1		11 69	60	42	38		de	Cui	5		
Noon.				"	,		11 46	62	43	39		,	,	9		
				,												

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, "
Longitude by Chronometer from Forenoon Observations ⊙	•	, ,,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2166	. "
Coal consumed during the preceding 24 hours	1 tons 16	o lbs.
Coal remaining on hand at Noon	144 " 32	0 "

P. M.			N.			1			
1	momil to Noch	28w 2		3042	1815	- 49	bem	Ci hint	5
2		nnw 3		1,40	19 5	00	be	1	2
3	-	% 2			19 50		ocru	1	4
4		20 m 6 3			70 09		1	',	1
5		", 3		1140	18 54	51	"	"	0
6		" 2		11 44	75 59	01	be	Sto	8
7		1 2		", 40	72 50	50	"	"	9
8		1 2		11 40	70 04	49	1	"	9
9		11 -		1,46	725	49	"	"	9
10		" "	-	1 46	20 5	148	"	1	9
11		1, 2		147	70 50	8 48	"	"	9
Mid.		" /	1	" 47	72 50	5 47	"	"	9

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at	•	,	"

under the command of Commander at Mo Cornick , U. S. Navy, Tuesday Deci 20, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. misty char overhead. Lift brege from no + Ht. Genterales open From 4 what of oggy. Light an from A H (& BRREBIR Luidenant ogu) From & to Mendian Pleasant weather, muity first an hours. Calin & light and from SAW.

at 9" went to general quarters texercises the creek, Secured at 11- Many

Fans untimen employer about the decks & painting Ship outside.

(21) constrain

Moaster upon Monidian to 4 Pm.

Hogy, pleasant, Tips and from Sofer, gradually changing to n'48?,

Painter Jun Jan ra-touching onkide Jahry.

Seciletrant agno From 46 80 m Left breeze find 20 HE.
Clear & pleasant, Left breeze find 20 HE.
Moaslivery From 8to Medicight
Sharker alear & pleasant. Barrente steady, Stratus alonds. Light airs
from 76 76 8, Bright startight

(gr) Killshur
Similenaut of no Monis declinations at local midnight - 2, 36 50 S new neron

Examined and found to be correct.

Tientemans & Navigator.

LOG of the United States Ship Essex Any Ford Arfold

	1000	STATE OF THE PARTY NAMED IN	The state of the s													
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Parme of	lear ths.	Gi-t-	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vesse at end of watch.
A. M.	m	m	Ito Dock	un6	1		Jn 47	70	45	42		Le	Sti	9		
2				4	1		1 45	68	47	46		"	"	9		
3				,	1		1 48	15	47	46		',	"	9		
4				"	,		" 41					,	"	9		
5				46	1		1 41	1.5	48	46		ocv	huis	0		
6					,		1 45					"	"	0		
7					1		, 44	1.3	ou	48		bom		2		
8					0		1 47	-	100.000			oe	heirs	0		
9					3		2 47	100000		1			him the	0		
10				,	3		1 48	12	53	50		',	"	0		
11				"	3		1, 148					,	",	0		
Noon.				,	2		" 47	70	55	12		"	,	2		

is under

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	,
Latitude by Observations at Noon O.		, "
Longitude by Chronometer from Forenoon Observations ⊙	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	270	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1891	6 "
Coal consumed during the preceding 24 hours	* tons /3	00 lbs.
Coal remaining on hand at Noon	× tons 13	5 "

P. M	c.								
1	moons li Dout	6	1	30 46	75 55 51	re	mil	0	
2	"		1		750507	"	1,	0	
3	4	"	1		75 54 50			0	
4	"	1,	2		7053 0			0	
5	", " Bury	",	3	The second second	70 17-50	"	4	0	
6	, ,	,	2		12 00 48	be	Sti-	8	
7	,	"	1	The same of the sa	73 52-49	1	Cun Sto	-9	
8	"	"	1	1 44	12 52 49	6	11	4	
9	726	,	. /	1 44	745351	ocd	nins	0	
10	1	1	1	1 43	715357	4	4	0	
11	8	1	1	1 42	70 04 52		4		
Mid	. "	Æ.	1	" 48	67 57 53	"	"	0	
1		The second second second second	THE RESERVE TO SHARE THE PARTY OF THE PARTY	The second second			The second second	-	

Longitude by Chronometer from Afternoon Observations ⊙		,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at		,	"

under the command of Commander at Mo Cormick

Nedweroug Dec 21, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Chindy, mild, dawf, Light aus finn no +6:.

Tuilduaut agu From 4th. face Cloudy + miety. Light air from ht to E. Reced on towns in Pay Deft for use of end wolls from buf to regelables, as 7.00 made signal Suting, holy to x & R & Franklin, answers 904, as 8 crosses Topett + Royal gards.

Thom 815 Moseideau

Com 815 Moseideau

Com Stormer to gueral

Guardes, mild, pleasant. Lift truey from 65, as 9 20 weer to gueral

qualter, and exercised with 10,30, Char. S. Carlin (Eng. Bet South) was

Englished the way without last But themelows & Royal gear. By order Jouns about without leave. But topquelaur & Royal gear. Byorder of Comy office Louis Shuman Om, was placed in solitory Confinent Toet overtoard at Junal quarters once printed. Lieutendur yn Mounidian to 4 Pm Heacher pleasant, Barmeter facting Plooly, Minibus + Gratus clouds, Light au from E., Rore of Fore + Main Fofraire Halliands, Reggied Capstain, singled facts, + made preparation for handing article the shearen. Hoay Fand Mechanics at work a brand. (45) K. Roshen Viewlenauts upper Jone Aliton Cloudy, mild pleasant, Light breze from &?, Slack water about 4.30 at 4.30 cast of from the dock, and hauled out to Bury, mar entrance to dry dock, Shackled port bower claim. Flood the remainder fivalet. Sultenant age From Sto midnight Heacher cloudy. Druggling rain Light breeze & to 26. Baronneter faeling, minter & stratus clouds. Began to very toest at 10.20, furnished at 10.40 Storinging to Cantraid.

Similarity 19"41 41" 8 Morn's declination at local midight Examined and found to be correct.

LOG of the United States Ship Essex Moored Affecting For Norfolk de

		Section 201			_	_		_	_					-	_	
		-		WINDS.			BAROME	TER.	TEM	IPERAT	URE.	State of the	Forms of	Jear ths.	Con	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	***	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M													5 ,			
1			SxW	216	1		3, 35	1,1,	07	not		oe	Muis	0		
2			"	676	1		1, 32	1,5	57	54		"	"	0		
3			"	7	,		1 29	10	57	54		o.cf	,	0		
4			"	4	1		1 27	114	57	55		"	"	0		
5			huw	4	2		9 26	1.5	57	55		ocno	"	0		
6			226	4	3		4 23	10	1,4	50		"	7	0		
7			,	4	3		4 22	70	1,0	5		,	"	0		
8			4	", "	उ		, 20	18	her	0%			i Cur	0		
9			, ",	Exs	3		9 16	1.5	60	17		of	Leve how	0		
10	Jose	to a	Justonaje	16	3		, 15	44	1.11	18		e	"	0		
11			SE	886	3		414	13	1,0	18		"	"	0		
Noon.			,	". "	3		4 111	73	10	100		oc	"	0		
			- l - I i										Irnota			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	. 0	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, ,,
Longitude by Chronometer from Forenoon Observations ⊙	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	0	, "
Variation of the Compass by Azimuth ⊙ observed at	0	, "
Water expended during the preceding 24 hours	350	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1541	"
Coal consumed during the preceding 24 hours	3 tons of	o lbs.
Coal remaining on hand at Noon	3 tons 08.	Por "

P. M.					
1	18	816	3	3000 74 hor 100 00 Cum tim 0	
2	4	",	3	11 02 75 115 1111 11 11 11 0	
3	"	"	3	29 00 75 /15 /111 Oca " 0	
4	110	,	2	9 92 76 10 12 4 4 0	
5	116	"	1	1, 95 75-63 59 4 4 0	
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7	AW	1	2	1 90 73 61 59 4 4 0	
8	",	4	2	1 89 72/11 /11 11 11 0	
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11	0-10	,	2	4 76 69 611 08 11 11 0	
Mid.	SEXS.	4	2	179680807 6- 10	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at	0	,	"

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences saulit 4 acu.
Gaereast with light driggley rain latter far fewalth, Basonulus faeling.

(255) K. Rohren

Viewlen aut Ofw Cloudy, misty, Light airs from & of &, at 4th ship fruished severiging to flood Itide, las 6 started fine under main toilers, Brought office touts from shorn thursten there. (91) Cottellogy Limber ager From Sto Mb sudian Heacher cloudy diggling rain in first fact fivated. Barmele falling. Cloude currely & muitos. For ander way at 900, + stood down the niver, full directing the course, Carulo in a fino of water with startoon anchor recy to Esfact. at 1020, Ship draft ford 13-6, amidship, 15-3,and oft 16, 1 - Lamber point light born (pe, ner /400. Hospital light fe) SxW, with the shiphead SEX S., Marking preparations for taking in the product the ship. Receive on board I light what boat. Mechanics as work on boar.

(In) Receive of Some Similar of the Toron Maidian both me Overcart with oceanine donighing shower of rain. Food on fronde from 130 to 300. Am. Many Fast Mechanias at work on board. Light breze from 5480 Baromelo facting. Ebb tide. Cops CARRees.

Limiterach again. 41. The Heartwo overcart. cloudy trainy, Barrowelle falling, Sight breeze from SSE. Communes soinging to floods at 530, and finished at 6, Ship coringing to port. (pgo) K Behren Swittmant agent Pouto Moidinght Overcast training frist hour fevatch, afterwards clear theasant. Commerced providing lost tide at 10: frieshed sconging at 11: Communical distribute fruit water at 11.00.

Morn's destriction at local medinght 16 26 49 8

Examined and found to be correct.

Succetana Navigator.

LOG of the United States Ship Exxix"
at auchor off Savae Hookital Sorfoex Va

1					WINDS.			DAI	OME	TER,	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Heigh	ht in	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	Wenther.	Forms of Clouds, by symbols.	Prop of (Sky, in 10	of the Sen.	Record of the sail the vessel is a at end of watch.
	A. M.				4.0									. ,				
	1	Es	6	SEx S	816	1		29)			55			2		10		
	2			"	,	1		4	77	1.5	55	/		"		10		
	3			,	",	1		"	7/1	1,5	36	24		te	0	10		
	4			',	SSW	1		"	75	100	57	55		70	Cum	9		
	5			"	"	2		" ;			57	50	,	",	"	9		
1	6			Au	7	2		7		1,5	57	54		,	"	P		
	7			",	Sw	3			69	10		उउ		,	"	8		
-	8			,	"	3			9	111	13	51		7	Cun Shi	/		
	9			,	0%	3		1	69	211		51		,	"	9		
	10	~		wnw wxs ssw	Sow	4		"	67	72	49	40	-	000	Cur hins	0		
	11	Es	f.	wxs	-11	3		1	1,8	70	48	41,		ocr	muis	-		
	Noon.			SSW	"	3		",	18	74	48	41		,	"	0		
-																		
		Distar	ce ru	n by Log since pred	ceding Noon										knots	fath	oms.	
		Latitu	de by	D. R. at Noon											0	,	"	
		Longi	tude 1	by D. R. at Noon											•	,	"	
		Latitu	de by	Observations at No	00n O											•	"	
		Longi	tude l	by Chronometer fro	m Forenoon Observ	vations	s 0								•	,	"	
		Curre	nt du	ring the time	knots f	ms. pe	er hou	ır, set	ting	to th	е							
		Variat	tion o	f the Compass by A	Amplitude O observ	ved at	Sunr	ise	"						•	,	"	
		Variat	ion o	f the Compass by A	zimuth o observed	d at									0	,	"	
		Water	expe	nded during the pro	eceding 24 hours									-	41111	gal	lons.	
		Water			during the pre	ceding	g 24 l	ours							. ,		"	
		Water	rem	aining on hand fit fo	or use at Noon									,	14/1		"	
		Coal	eonsu	ned during the pred	ceding 24 hours									139	ons 911	,	lbs.	
		Coal	remai	ning on hand at No	on									139	. 128	5	"	
					1											1	-	
	P. M.		,	1 -	. 0													
	1	El	6	8x6	*x*	4						46		oer	nui.	0		
	2			886	"	7		"	7"	70	50	47		8c	Cum	3		
	3			1	W	7		7	73	72		47		"	nen' Cour			
	4		33	"	"	1		1	18	72	50	xv		"	",	40		
	5	,		1"	Ser	3-5		"	80	73	N	45		beg	Can Sto	1		
	6	fl.	nd	1/x Ho	"	3-5		4	86	15	49	45		',	"	9		
	7			٧,	W 26 24	3-5			91	-	49	45		".	"	6		
	8			26 24	4	3-4		1			48	44		"	Cui	9		
	9	-	9	"	,	3-4					48			",	"	8		,
	10			"	nw	7-8		3,			45	41		",	1	5		
	11			"	"	8						54		"	"	2		
	Mid.		-	"	"	8		"	8	15	45	39		,	"	2		2
						-					-							
		Long	itude	by Chronometer fre	om Afternoon Obse	rvatio	ns O								0	,	"	
		Long	itude	by Chronometer fre	om Observations			*			4				•	,	"	
		Vari	ation	of the Compass by	Amplitude obse	erved a	at Su	nset							0	,	"	
		AT .		0.1 '0 .											AND DESCRIPTION OF THE PERSON	1000		

Variation of the Compass by

under the command of Commander attue Commak Inday Dier 23, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences tuntél 4 and ble open & S E. Brifs startisht, Riding to Ebb tide.

Open consonnine

Moasker 1910 From 4 to Face Tracker clear & pleasant. Barmeter faeling, Clouds currelles & currelles stratus. Light bruge June & H. Shife Eding to flood tido.

Luciterant upp Jm & Pm to Moguidian Comes pail at 805 Fules pail at 10.00. brew suplayed cleaning ship. By Surgeaux Josef Smuth returned from leave, Commerced sorring to obt tide of go flord tide running , Keed.

Maid in to 4 Pres. Meridian to 4 Bu buye from cox S, I hauling to He Come astructornice & Line med Mackengin light the ship on han tel Junoay. (291) Mordonin Mackengin Maderya Jone 4 to 8 km Secondly clear oflearant. Which varnitle and deniction, of fit fue fair free, Sent dawn toffgallows torgat guest at Sew set., Commerced severying to front tide at 540. Barmetu riseing Alord tide muning I hart at 7.30, Com 8 to Morderight.

Crear of flearant with surderet burge from 10 20 and fact. Cloudy and threatening with strong trapert against pum 10 20 latter fact. All for commendate surveying to att at 11.5. Like recurring, 8 Knots at 9.5. Sistetling water.

Worker offe 12. 9. 15 8 Moon's declination at local midnight. = Examined and found to be correct.

Longitude by Chronometer from Afternoon Observations \odot

Variation of the Compass by Amplitude observed at Sunset

Longitude by Chronometer from Observations

Variation of the Compass by

3 Rate, 6 Guns,

LOG of the UNITED STATES Ship Essur at auchor off atoral of orfital Norfolk Va

ura	ue	hor	Af atara	e of	, ca	~		1								
				WINDS.			BAROME	TER.	TEM	PERAT	URE.			ear is.		
Hour.	Knots.	n8.	Courses steered.			ıy.	Weight in	Thom	Air	Air	Water	State of the Weather. by symbols.	Forms of Clouds, by symbols.	of Clear in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
		Fathoms.		Direction.	Force.	Leeway.	Height in inches.	att'd.	Air Dry Bulb.	Wet Bulb.	at surface.	by symbols.	symoors.	Prop Sky,	Sca.	
							1									
A. M.			886	nx 6	V-8		3. 11	58	45	40		ba		10		
1				ппЕ	7			58				1	-	10		
2			"	"	6-8		",6			41		'	_	10		
3		2	"	пЕ	0-8		, 18		43			,	-	10		1
4		,	88	no zex E	47		1000 1000		40	1		,	-			
5	80	10000	WXE		1000		1			35		-		10		
6	Pla	1000	nno	26	4-7		1 30	52		34		"	_	10		
7	flo	od	Уи ш× 26	21×W	3		1		38	34		2		10		
8					3		, 39	,						10		
9			"	4	3			1	KO We			"				
10			,	7			" 49		45			7		10	-	
11			1	"	-		, 47	65-	-	38		"		10		
Noon.			"	76	0		, 46	0.0	45	39				10		
	Distar	nce ru	n by Log since prec	eding Noon									knots	fath	oms.	
	Latitu	ide by	D. R. at Noon										•	,	"	
	Longi	tude l	by D. R. at Noon										0	,	"	
			Observations at No	oon O									0		"	
			by Chronometer from		vations	0							0	,	"	
			ring the time				ır, setting	to th	e							
			f the Compass by A										0	,	"	/
			f the Compass by A										•	,	"	
			nded during the pro										311	gal	lons.	
			eceired	during the pro	andina	. 04 1	honra						120			
					eceding	21	liours					2	046		"	
			aining on hand fit fo										ons //		lh.	
			ned during the prec									138				
	Coal	remain	ning on hand at No	on								.00	"			
					1									1		
P. M.			E	26			1					1		10		
1	2	,,	Exs		5		34, 45		/	42		og		10		
2	E	7	6 x 1)	, E	4		1 45	,	43	37		"		10		
3			16	6	4		1 48	1.11	42	40		"	_	10		
4			',	',	4		1 58	1,8	45	39		",	-	10		
5			0"	',	4		1, 53	1/2		-		"		10		
6			SEX S	1	3		, 03	70		29		'/	_	10		,
7			"	",	3		" 22	15	42	38		",		10		
8	11	(or	"	1	U		1, 50	1.8	43	do		"		10		
9			2624	",	3		, 60	70	41	39		1	-	10		
10	1	-	,	"	3	The same	, 59	70	42	38		"	_	10		
11			"	,	3		, 07	70	44	39		"	-	10		
Mid.			"	",	4		, 56	72	40	28		1	_	10		
		1														

under the command of Commander att Mb Corneich , U. S. Navy,
Saluro ay Dec's 24th, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Moid to 4 Pm
Clear scool. Inal brey with stray squares. from MW. Shit fruits puringing boots at 12th. Tide muring at 7 hut at 35. Bright startift, Validiting to Meetingy
Limber and of the Meeting Structure of the Meetings.

Finn 4 to taced

Simme 4 to taced

Shear toool. Squarely during finis half qualit. and from it offer

Barmula riving

Fuirlettant upper

Fine \$15 Mbridian. Mederate brege pun ux cs. Floreste de summing 1 Kest at 9.00. ar 1000 brought shell lighter alongide and tross abrand shell. 10 m drain

Mondeau to 4 BM Class they brigg from 200, at 3 finished stowing whelly bould down founder flag. Ling from rivery Bed host product lights of the prior. It tide during watch. Free of tide or 3. 10, 8 starts—

(yo) totalleliant you

Elear theorews. Light earlesty treeze. Fide turned to flood at ?, 30.

(set) Umstruin
Waster upon

From 8to Moidenight.
Clear the water. Light and from & I flood tide are the water. We Warner (Las) left. the whale tout & runaines on shore unitary forminism.

(egg) Whelelogy
Liedlinant upon

Morn's declination or bocae induight. - y 10' 24 & new moon.

Examined and found to be correct.

Suilenant Navigator.

7				- 00													
	T				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear the.	State	
Hou	r. 1	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water nt surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sen.	Record of the sail the vessel is under at end of watch.
Α.	M.	E	4	86	Sir	,		30, 58 9 hm	1,5	4"	37		4	_	10		
1	3				"	,		1 60	18	39	SI,		7	-	10		
1	3	•		"	"	,		7 her	1.7	38	35-		"	-	10		
4				"	"	,		4 /11	711	39	36		"	-	10		
5				,	,	0		9 611	72	39	31,		"		10		
(,			"	,	0		1 /1,	74	40	3,		"		10		
7	1	o fa	rd.	nnw	"	0		1 /1	74	39	36		"		10		
8		/		,	"	0		, 58	74	42	38		"	-	10		
9				"	. ,	0		n ho	1.8				"	-	10		
10				,	86	,		1/11	7"	44	,41		",	-	10		
11				,,	"	U		1/11	70	d'y	45		,	-	1		
Noo	n.			"	"	3		, 10	711	ox	43		',	-	10		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon		, ,,
Latitude by Observations at Noon O	•	, ,,
Longitude by Chronometer from Forenoon Observations ©		, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	350	gallons.
Water reserved during the preceding 24 hours	3596	. "
Water remaining on hand fit for use at Noon	2596	"
Coal consumed during the preceding 24 hours	/ tons 76	O lbs.
Coal remaining on hand at Noon	136 " 210	15 "

P. M.												0			
1	60	4	SSH	8	3		3, 0	5	70	or	46	Le	ai	8	
2			16	,,	4		1,5	3	70	5	48	"	',	7	
3	-		"	"	3		10					1	"/	6	
4			',	,	1		1, 5	0	7"	01.	49	,	"	0	
5			,	',	1		10	7	1,5	5	49	,	1	9	
6	-		0'05	100	1		" 2	0	1.11	14	49	4	1	9	
7	Fle	nd	886	16	2		10	7	15	12	48	,	4	9	
8			,	0'-	2		4 5					")	1	1	
9			26 W	Calen	0	-	10					K	4	10	
10			"	8	0					-	46	"	4	100000	
11			"	"	1		100000000000000000000000000000000000000				45	1	"		
Mid.	1	-	"	"	1		" "	7	111	48	45	',	"	10	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	-
Longitude by Chronometer from Observations *	•	,	
Variation of the Compass by Amplitude observed at Sunset	0	,	
Variation of the Compass by at		,	,

under the command of Commander at Mil Corneial , U. S. Navy,
Sanoay Dec 25th , 18 8%.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence on Smuther 4 and from St. Barmelo strong. Commenced singley books lide at 15.5. I founded at 1.50

Go) K. Rohner

Suiteman Upper

From 4 to falle
blea xcolou. Ship communed swinging to the as 6 of Read on branding
Pays Dept for one of cours 100 lls each of fresh buftveysletts,

Maslewayee

Amm 8th Mendian
Clear delightful weather. Life and from S+6°, Got 9° muslemed to
infected ar quarters, Ship suringing to flood dumperated 1000 Warnerston
for forms about pund quarter untar Remission

(21) 48Kellogg

Moentian bottom

Mendian bottom

Mendi

Mention bottom

Weather clear of lear aut. Endo breeze from S. Cenins clouds, Commenced eniging bott tide at 1230, & friended at 130, we Warned for, was bright on toard of fleed in confinement, by order of Come Officer, and the remark of Jun dollars was paid the officer Aniging him a board. - The old Somewine shaw cause is sweat alongside of the doese.

Shaw cause is sweat alongside of the doese.

June 4 to 8 Pen Sylvanaux. Light breze from St &; at 1,34 Ship everiging to flood.

(Age) Goffeeling y

Lunlichtert Ufer

Fruithed Suringing to flood at the strong of Restrict.

(250) Killstrant again.

Moris declination or local mideight. = 1 51 57 8

Examined and found to be correct.

To It Parker. Secilenans + Navigator.

LOG of the United States Ship Ever , 3 Rate, 6 Guns, at auchor off Naval Hospital Charfolk Ja

-		ALCOHOL: NAME OF	,,						-								
				WINDS.			BAROMETER.		BAROMETER, TEMPERATURE.		AROMETER. TEMPERATURE.		State of the	Vorma of	Hear ths.	State	
Hour.	Knots.	Fathoms,	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.	
A. M												.0					
1			new		9		30 45	1.2	48	116		*	-	10			
2	Et	6	sex8	_	0		" 44	1.1	48	46		",	-	10			
3			861	86	,		" 42	1,2	49	*7		"	-	10			
4			"	.,	,		" 43	1.3	50	48		"	-	10			
5			"	,	2		" 43	1.00	52	49		,	-	10			
6			1	,	2		1 40	112	53	50		,	-	-0			
7			,	"	3		" ×0	ha	ox	50		Fc	Cins	8			
8			,	',	3		, 40	1.5	55	01		",	Ciri Cum	2			
9			水水	8	2		, 38	5	53	60		,	"	1			
10			"	7	2		, 35	-1.5	1.0	55		oe (Cum & His	10			
11			',	,	2		, 30	70	60	55		',	"	0			
Noon.			"	"	2		1 35	10	1.	0%		"	9	0			

Distance run by Log since preceding Noon			knots	fath	oms.
Latitude by D. R. at Noon			•	,	"
Longitude by D. R. at Noon			•	,	"
Latitude by Observations at Noon ⊙			•	,	"
Longitude by Chronometer from Forenoon Observa	tions o			,	"
Current during the time knots fms	s. per hour, setting to the				
Variation of the Compass by Amplitude ⊙ observed	d at Sunrise			,	"
Variation of the Compass by Azimuth ⊙ observed a	at .		•	,	"
Water expended during the preceding 24 hours			350	o gal	lons.
Water during the prece	ding 24 hours		75	0	
Water remaining on hand fit for use at Noon			299	6.	
Coal consumed during the preceding 24 hours			tons 19	00	lbs.
Coal remaining on hand at Noon		136	" 20	3-	"

Р. М.													
1	Est	186	8	3	3,	32	1,8	1.3	57		oc	Com Kins	
2	10000	"	20	U	1	47	1.8	1.5	~-8			',	
3		8628	86	5	1	25	1,5	1.3	18		"	mil	
4		16	,	4		100	-		18		"	4	
5		"	v	3					09		0.40	4	
6		1	"	2			_	_	59	-		"	
7		"	"	2					08	-		Cui Cun	
8		6.8	"	2			1.5					Cum Wint	
9		8 x 6	1	4		1000	1.5				be	Mins	
		16 21 x M	1	4 3			13		5			Cum Kins	
Mid.		unx 16	"	3					08			"	
mid.		1	"			0.		"		1			

Longitude by Chronometer from Afternoon Observations ⊙	•	,	,
Longitude by Chronometer from Observations *		,	-
Variation of the Compass by Amplitude observed at Sunset	•	,	,
Variation of the Compass by at			,

, 18 8/

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communication of the Communication of the Communication of the or less from the conjugacy of the contraction From 8 aut Mondian

Reacher generally pleasant, though cloudy in last fact from furter. Baronete facting, as 92 salustines & winfested areford for quarters, and wistmated oracly the Diss wither duties! Surry to flood lide as 92. Surry to startown.

(go KRohner

Limiterant agen Monidean to 4 Mm

Overcant & thursling poin. Barmela faeling. Commence swinging to ebb

tide at 1530. & friends at 1.2. Places 25 sheet from magazinia.

(agr) CRREES

Zemlenant agri From How to Hording in early far fivolet, but improving and mon from some and Light breeze from SE., Barrache faeling. Claud. Cino-cumulas & mintas. Ship ridery to est tide.

Lewlenant of the Society of Manual Section of the Section of the Section of the series of the From 4 to fRW 3 26 22 h Morn's declination at local mideight. =

her wood.

Examined and found to be correct.

Total Parke. Navigator.

LOG of the UNITED STATES Ship Ecces

ar	au	ch.	or of Non	ne Hoey	kit	ab	A.	of	de	K	0	a				
Hour. Knots. E Courses steered. WINDS. BAROMETER. TEMPERATURE. State of the Weather. Weather. by symbols. symbols.															Record of the sail the vessel is under	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb,	Air Wet Bulb.	Water at surface.	Weather. by symbols.	Clouds, by symbols.	Prop of Sky, in 1	of the Sea.	at end of watch.
A. M				00					,				h ,			
1			16 24 x 26	86	2		30 07		755	19		oc	num	0		
2	-		na	"	3		1 00			09		oce	",	0		
3	Es	6	86	00 8	4		2996					"	',	0		
4			886	SEXS	5-6		11 94	,	,			"	,	0		
5			"	"	5-6		, 92			-		"	,	0		
6			,	"	4-3		1 93	100000	,	100		oc g	10	0		
7			7	,	3		1 92			59		00	Ci nin	8		
8			" 0	0,0	2		1 93		-/11			bon	Cu'Cun			
9			SAXS	SUXS	4		195		-			te	"	/		
10 0	Flor	d	new	',	2		1 94	10		1,1		"	0 "	5		
11			7	"	2		1 92	68	1.5	41		, ,	Com Kins	4		
Noon.			,	StxW	3		, 91	69	1.5	1,		oe	"	11		
	Distar	nce ru	n by Log since prec	eding Noon									knots	fath	oms.	
	Latitu	de by	D. R. at Noon										0	,	"	
			by D. R. at Noon										•	,	"	
				oon O									0	,	"	
Latitude by Observations at Noon ⊙ Longitude by Chronometer from Forenoon Observations ⊙ ""																
Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude © observed at Sunrise																
	varia	uon o	the Compass by A	impittude & observ	eu at	Bunt	ise									

Latitude by Observations at	Noon o		
Longitude by Chronometer	from Forenoon Obs	ervations ⊙	0 / "
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass b	y Amplitude ⊙ obs	erved at Sunrise	0 , "
Variation of the Compass b	y Azimuth O obser	ved at	0 , "
Water expended during the	preceding 24 hours		4 /1 /1 gallons.
Water	during the I	preceding 24 hours	"
Water remaining on hand f	t for use at Noon		2596 "

tons 18111 lbs. Coal consumed during the preceding 24 hours Coal remaining on hand at Noon . *

Р. М.													19
1			Het th	84	3		29 90	68	65	60	be	Cun St	7
2			"	,	3		1 90	65	64	57	"	Cui	6
	ER		Sh	,	2		1, 92				THE RESERVE OF THE PARTY OF THE	Ci Cem	
4			86	SXXX	1		, 92				4	Cu	8
5			Exs	Set	,		1 96				SALES OF THE OWNER, THE PARTY OF	Ci Sh	
6			" "	"	,		1 99				4	Cu	9
7			86x 8	"	1		31100				b	-/	0
8			1.16	"			1 01			2000	"	-/	0
9	Lung	ing	8x6	,	1		101	10	58	5-5	,		10
10	Flor	h	Sh	,	1		1 01	70	57	134	,	- /	10
11			1,	"	,		102				,	- /	0
Mid.			"	, ,	1	_	, 02	_	_			-	10
						1					Carlotte Co.		100

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

Fresony Dear 27th, 1887. under the command of Commander a Hour Corneck RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences twelt 4 all Overcock clardy racing. Light brege pour SE. handing to SEX & Alway hard (ago) who Ismin Moasle ugu Heather overcast agracy training in early fact of watch, cleaning of latter fact. Baronela strainty. Bloods I can conclus - accorded a seinters, Breeze stiff in equally from & & & B furt fact finally to guette from a cu later fact.

Ship riding to Abb tide. (490) R Rother Continued Common fact to Meridian

From fact to Meridian

Heacher much clear the early had a selection of the second of the second continued to the second continued Heacher generally clear theesawt, but clarely therealizing at interval Communed morning to flood tode at 8.40, and finished at 9.4. Musture at quarters at 9.5, and extracted y instructed all Die at this respective duties for action. Lieis M R & Millengie + Pays La. Yorke returned from lease, Exercise at Fine quarters and at arming + equiping books. Exercised all hands ar making shortening & furling sail. (25) CRRies Lientenant copy Meidian Guttur Clear twarn, light brege for we, harling to Sev. Rove spall shows al gas, Regged forward tupedo torres. Fransferred Rich House to Marae Hospital as Rospock, By adu of Conog Office we warner, for having brar without purmison. Compression for of days on brus twater, for having brar without purmison. Come ast mil or chifteys in Contrary relumine pend leave. Swinging to ebb tide or 2.00.

(25) 10311. kmin

Masker upon Master yew From 4 to 8Pm Som 41. 0 Mills heer for Stil. Barnete vising. 18 right montiffs late far fratal. Riding to et to title. Strugth of tide 1 Kent as 5.00.

Jun 8Pm to Mojdright.

Chear of leavour. Light aris from St. Bright more statutiffs, Commenced to evering I find tide at 900 finished everinging as 100.

(ope) WM. Smin Moaster agent (opr) wom. brino Moaster ager 82734 20 Morn's declination or local midight = First quelo Examined and found to be correct. Similariant to Navigator

LOG of the United States Ship Essex, 3 Rate, 6 Guns, and another Af charal Hospital Anfock of

						-1				0						
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is unde at end of watch.
A. M																
1			uw	SH	5		2, 04	1.5	11,	51		R	_	10		
2	1		476 26	,	3		105	1.5	05	12		',	-	10		
3			H Sr	,	3		1 0%	1.7	15	12		',	-	10		
4	Eb	ef	8	,	4		106	1	UJ.	53		',	_	10		
5			SEx 8	,	2		7 114	1,2	£4	52		be	Cui	9		
6			,	,	3		, 114	1.2	54	02		"	"	9		
7			,	1	2		1 17	1.11	54	52		"	",	9		
8			',	,	2		1 119	1.2	11	03		,	,	9		
9			1	7	2		" "	1.3	01,	54		,	,	9		
10			4	7	2		" 119	1.2	0%	4		,	1	8		
11			,	And the second second	2		, 111					,	"	8	/	-
Noon.			76 X.	st.	-		1, 14	10	1,,	11,		,	,	8		
							14									
														1000		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	۰	, "
Longitude by D. R. at Noon		, "
Latitude by Observations at Noon ⊙		, , ,
Longitude by Chronometer from Forenoon Observations ⊙		, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at		, "
Water expended during the preceding 24 hours	4111	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2196	"
Coal consumed during the preceding 24 hours	tons / hn	, lbs.
Coal remaining on hand at Noon	134 "128.	<i>_</i> "

P. M.											1			
1		na	84	3		31109	1.5	1.11	11		be	Cui	8	
2		"	"	4		110					,,	"	7	
3		unw	,	4		1, 11	44	57	14			4	4	
4	Ebt	884	"	4		910	10000	10000					٤	
5		886	,	3		111							,	
6		886	4	2		" 14					4	Cum	3	
7		,	,	2		1 15					4	Cu	3	
8		"	",	,		116			(00000		,	"	4	
9		886	8	2		,18	74	55	52			4	2	
10		8	"	4		1 19	1.8	UT	VZ		,	4	2	
11	Flora	nuw	,	4		, 17	1,5	st	V2		. ,	4	٤	
Mid.		hw	,	4		1 14	1,,	13	50		,	,	3	
	1				1	The state of the state of	10000	100000		188000		100000000000000000000000000000000000000		

Longitude by Chronometer from Afternoon Observations ⊙	•		"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at		,	"

under the command of Commander astrono Cornick , U. S. Navy, Heduesony Deci 28th , 18 89. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Bummon quutit y and Clear, pleasant, Light am from & + 74 d. Slock water or 300, and at 300 freihed surging to att. more set as 12 30. pgs alla Rellogy Limited agent Im 4 to face blearflemant, Light brey pen SW, Riding to est tide, brossed tofguelant guedo, Est out launal, & made forefacilité for airfections (2008 CRRees Luiterant y Jone Ste more de air Heacher pleasant, light airs from est, at 9 to the Board of Juspection consisting of Commodern ackhuide, Capt Id. Davis, Capt & a. Greer, Pay Inspector Have Devenition, med Director a. L. Sihow, Chf Engr & & Moon, + Cape P.b. Populyone. came on board to inspead the ship, as got went to quarter for inspection, exercised the creed at making + taking in sail, Regger att formand tropeds borner at 11,00, Ship commenced proving to flood at 9.00 (egg) Workning Masle ye Mendeau 10 4 mm blearpleasaux, mild, Light airs from & veve, at 1 exploded topeds frince on set from. as 1,1 called all hands make sail, & made sail to progals: Shorteness said, ar 2:0 calles array are touts equipped for pur distant service, ar 3,00 puled said. A Shapeatery Board left the ship. at 4 freihed storinging to ett. (ego) at Kellogg Luilenant again From 4 to face.

Neacher pleasant, Lifts breeze from Sal, Riding to ett tride,

(ogs) 11.211. drine
Waster eyes drum 46face From Salle to Midnight,
Clear, delightful weather, Light am from St., as 60 funished everying
to flood, strugth of consent schools, Bright enoughly,

1000 Whellogy
Luchenaus ofer Moon's declination as local midnight = 120-9,07" A First Qualter.

Examined and found to be correct.

To, M. Parker. Sucilians + Navigator.

, 3 Rate, 6 Guns,

	6	7	au	char off	chaval	19	10	spi	las	6	of	of	Jek .	Oa			
F		Knots.		Courses steered.	WINDS.			BAROME	TER.		PERAT	URE.	State of the Weather.	Forms of Clouds, by	of Clear in 10ths.	State of the	Record of the sail the vessel is under at end of watch.
	I Com.		Fathoms		Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Dry Bulb.	Air Wet Bulb.	at surface.	by symbols.	symbols.	Prop Sky, i	Son.	
1	A. M.			17	1			30 08	1	.50			Le.	Sp. Cum	6		
1	1							1 09		10000		1000	bow	1	6		
1	2			,	"			1,06		10000		72000	"	"	6		
	3	86	4	84	,			1,03		10000	/		ocus	hun Cun	6		
	5			"	,			,00	1.,	01	50		oc	1	0		
	6			"	,			, 00	3730				"	",	0		
	7			"	8x6			, 00	111	51	54		our	hins	0		
	8			18	,	2		2994	lin	55	03		,	",	0		
	9			886	',	3		, 90	1.55	05	53		",	",	0		
	10			.,	8	5		, 90	1/2	55	54		,	"	0		N. S.
	11			8	7	5		, 80		57	51,		"	,	0		,
1	Voon.	Flo	rd	,	"	6		"]3	1.0	ha	18		,	,	U		
-																	
]	Distar	ce ru	n by Log since pred	ceding Noon									knots	fath	oms.	
]	Latitu	de by	D. R. at Noon										0	,	"	
	. 1	Longit	tude b	y D. R. at Noon										•	,	"	
]	Latitu	de by	Observations at No	oon ⊙									•	,	"	
	1	Longit	ade b	y Chronometer from	m Forenoon Observ	vations	0								,	"	
	(Curren	nt dur	ing the time	knots fo	ms. pe	r hou	r, setting	to th	e							
		Variat	ion of	the Compass by A	implitude ⊙ observ	red at	Sunri	ise							,	"	
	,	Variat	ion of	the Compass by A	zimuth O observed	l at								0	,	"	16.00
	1	Water	exper	nded during the pre	eceding 24 hours									400	gal	lons.	
	,	Water			during the pre-	ceding	24 h	ours									
		Water	rema	ining on hand fit fo	or use at Noon									1791	6		
	(Coal c	onsun	ned during the prec	eding 24 hours								t	ons / 177	"	lbs.	
		Coal r	emain	ing on hand at Noo	on								133 to	" 201	205	"	
																100000	

P. M.													
1		21×26	484	5	391.7	1.5	1,	171		beb	Cuen	8	
2		arth	"	5	1 15	1.5	114	52		ber	Cem Wint	7	
3		n	71×26	4	1, 13	115	1.4	19		be	Cum	4	
4		84	SH	3	1 13	100000	100000			"	"	2	
5		"	854	5	1/12			/		1	him	1	
6		884	886	2	1/2			1 1		"	Cum		
7		886	Hx 8	2	1/10	711	57	17,		"	. ",	3	
8		8	为此外	3	4 1.,	12	7	03		"	',	4	
9		,	,	30	1,13	>3	55	12		beg	"	2	
10		",	nux w	3-5	1 1,5	74	53	51		,	"	2	
11	Flow	26	20 sh	3-5	, 11					"	1	٤	
Mid.		"	スルガ.	34	. 19	75	51	47		,	h	5.	
			The state of the s			10000	-	1	The Control of the		And the State of t	100000	

Longitude by Chronometer from Afternoon Observations ⊙	0	,	"
Longitude by Chronometer from Observations *	0	,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by	0	,	,,

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commerces + autil 4 au Heacher clear & pleasant. Barounder deady. Light and from So Began to every to the ett at 3° everiging to plantoach.

Linternant Ofer

Finns 46 faces
One controllende, with shady cain last but hours. Light heeze from 8's
hawling to St. 1 Ett tide. I (25) w.m. Inoini
Moacle vyer

Overcast. Moderate shaven of rain, Light are from So, which gradually unimased. Higher breeze as end of watch. Barometer low + facting ateadily as 900 uniferted and numbers or quarter, By order of Come of officia, Charles of Carling Blund & F, was declared a descrite, having been absent from the ship, 19 days whomh showing any disfinition to retake By order of Coming office the John bremand 2 mr to Li Gr., Dec 9t, Lamo Dritel from Sea to Ir m. Dec 1/6, Just Euston See to Cap Jof in 13t, In Mo Europie Sa to Sh unter, Dec 17. Peter Hand 1º CA to See Ef, S. Buchanan Ado to Cabin steward un 13, & Less and Sate Cook new Est , Slack water at 11.45, Ship awinging In flood.

(op) Whele off
Shuitanant uger

From Moundain 154 Pow

Theather uncertain twee en' early par fratch. change up latter fact of watch, Flood tide, Breeze moderate to first from HSW to HX HO.

Barmeter facting (ogs) KRohren

Limiterant ofer

Jam 4 to 8 am First four of watch clear & pleas aux, occaninal light showers ofrain.

as 420 her a moderate square of mid soain from 202 x 200 Hoisted straws

Cuttet made proporations for Rea, Ebb tide during watch,

(pol) wo Recloyer

Limitary ufar

From 8to Moider she. Theathe papally but not unpleasant Clouds come cumules, cumules & runters. Secrety to flood tide at 1000 Levinging to flood tide at 1000 levinging to foot, Condensing water,

Movie declination as local midnight = 16 42 33 A Finis Quarter

Examined and found to be correct.

Sentenant + Navigator.

LOG of the UNITED STATES Ship Essex

DOG OF the		
Strawing up + down	chesapeake	, Bay
		0

Du	au	U	up tan	n cras	The					0		7				
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather.	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.												. /				
1			76 1× 16	nnu	45	-	29 1.9	>3	01	45		ocgv	him	0		
2			76 4	Sol	4-7		171	20	57	46		"	',	0		
3			"	200	V-7		175	10	×8	41		"	',	0		
4	E	48	21 Wx 26	"	26		1 7%	69	48	41		"	"	0		
5			st 824	"	3-4		" 77	70	47	42		000	1	3		
6			8	88%	3-4		779	21	45	41		"	"	4		
7	969		86	1	4		, 80	72	45	42		te	Cui Cum	9		
8			. ",	21 12	4		, 79	72	46	42		,	* Cum	1		
9	trope	los .	drieting the and	u. 3/	4		, 79	72	48	42		,	Cir Sto	8		
10	7	3	"	With	3		, 80	70	48	44	47	"	Ci Cun	U		
11	9	6	ESE	Stx 26	3		, 80	70	48	43	47	oe	Ci Cimo	0		
Noon.	8	3	,	*	3		, 79	70	8/	36	47	be	"	3		
									+							
	Distar	nce ru	in by Log since pre	ceding Noon									knots	fath	oms.	
			y D. R. at Noon										0	,	"	
			by D. R. at Noon										•	,	"	
			Observations at N	00n O										,	"	
			by Chronometer fro		vations	0							•	,	,,	

Longitude by D.	s. at 100ff			1
Latitude by Obser	vations at Noon ⊙	•	, "	
Longitude by Chr	onometer from Forenoon Observations O	•	, "	1
Current during th	e time knots fms. per hour, setting to the			-
Variation of the (Compass by Amplitude O observed at Sunrise	•	, "	-
Variation of the C	ompass by. Azimuth ⊙ observed at	0	, "	
Water expended d	uring the preceding 24 hours	4111	gallons.	1
Water Asses	during the preceding 24 hours	071	, "	1

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Stons 6811 lbs.

Coal remaining on hand at Noon

125 "1345"

P. M.															
1	8		nnw	24	3	29	74	1,8	46	41	47	be	Cui Cui rint	6	
2	6		2 21×26	,	5-9							legr			
3	9	2	71×26	',	5-6	1	25	119	42	38	47		how Com		
4	Sui	c	_	',	3-5	1	75	1.9	42	38	47	"			
5			_	Sh	4.5	"	75	70	48	41	47	be	Cu'Cun Rto	1	
6			884	24	45	1	79	70	48	41	47	Leg.	Cu	9	
7			84	" 0	45	1	80	72	41	38	47	"	Cui	J	
8			Stxt	2184	40	1	82	-70	41	36		be	"	7	
9			884	Nx'S	4-6-7	1	83	71	40	39		ochq	Seint	0	
10			WSA	NX 8	45	1	85	69	38	35		beg	Ci Cum	3	
11			SHXH		4-5	11	83	1,5	38	31,		beg	Cú	9	
Mid.			SA	1,	4-6	"	85	1111	38	36		"	Com	6	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

under the command of Commander att MO Commiell, U. S. Navy, Friday Decis 3, £, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Sommences funtil 4000 Doucost & raing, Ward blung in strong equals. from 4- Barrueto viring. Sistiling from wale. Immences funtit & acc From 41. faces Overcost fint to home of watch. clear tool last half of watch. Making proporation for sea. as 8 pilot cause on broad. The following named men were detailed for dutyin fire room or Por Glemm. Its, John Le. 1 is, saw Howell (Las) Chair oradolff (Las, P. Devang (fos) Jus Devening (08) Jus holaws (of) Ho Haylo (fas) P. De any (fas), Herely His olia. From the Moundian the Mant 120 + 4th hours fronteh, overcast televely in 30 hour, Breeze from H to H N H. & gentle to moderate force, at 80 Captel L Davin you thefling IN moon you came on board to witness the steam

tral of the ship, at 8 to carled are hands expanator & got under very, stood down the river, filst directing the course, Found the ship could steden under all her boole power g-1 Kusts on hour. Sound the ship eneld make a complete tum under stantoard helen in gomi, + 3 2 see, and under fort helen in & nin +12. sec, Confined this. J. Rodgers (Cuft) in double in by order of Coming Office for being drund. Or 12 stord in Invaids Festies money, stoffe ditieting at 10,30 (gs) 16 Robins Leulenaut ofw

Jonn Medidian to 4 km

blear opleasant fint how fivalate, afteriords equally with sun + vain, Changed get Pelst while centuring the steam tral, as 32 mude sail to Jofgallant sails. Stopped strang temporary & gave the ship a trial under sail (Sy) Br. Resol Sintenaux ugu

Weather cold but pleasant, Barmeter ricing, Breeze moderate to perh from it, ar 420 shortens & full sail, and stood in for Forter Monor & aring offithe Forh limens a boar of lander the Me enter get Board of Inspection, the plan the relience of the horse stand of for an anatomore in 7 per furtion, in Hamplow Roads reming to with port anator occurring to 45 per chain. Then the light heavy the, MEX 6/26. brang Feland light beauty the, S. Ship's head 84 x W. (pfs) Ky Bother Lieulenaut afer Lieulenaut afer

Im 8to mideight. end to be for chair at 500, (ep) St. Bees Veened to 60 four chair at 8,20,

Moone declination at bocal midnight = 19"33' 38 A. Fint Qualte Examined and found to be correct.

Quilitant + Navigator.

as auchor off Fortrees Moourow

	es	au	cohor of	orne	ess		100	02	es	r						
				WINDS.			BAROME	TER.	TEM	APERAT	URE.	State of the	Forms of	lear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather, by symbols.	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1			Stx 7.	MXS	4-6		29 05	05	37	34		beg	a Cun	1		
2			A	Trush 1	4-6		11 85	01	34	30		,	1	2		
3			71764	1	5-7		105	-		1000		1	"	1		
4			",	, "	5-8		185	46	35	30		7	7	1		
5			"	カカ	5-8		1 85-					"	1	8		
6			" 0	',	5-8		1 87					7	1	10		
7			Hxs	"	5-8		1 9%					,	Cji	9		
8			Dr 8 34	",	5-7			05	/			,	1	9		
9			8	sh.	5-6		3,05			27		"	"	9		
10			"	Sh	4		704		-			de	"	9		
11			,	7	4	37733	1 111			1377		,	7	9		
Noon.			SHXUD	,	4		29.99	1.9	36	31		,	,	9		
			n by Log since prec	ceding Noon									knots	fath	oms.	
			D. R. at Noon											,		
			by D. R. at Noon										•		"	
			Observations at No												"	
	Longit	ude b	by Chronometer from	m Forenoon Observ	vations	0							•	'	"	

Latitude by Observations at Noon ⊙

Longitude by Chronometer from Forenoon Observations ⊙

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours

°

"

Variation of the Compass by Azimuth ⊙ observed at

Variation of the Compass by Azimuth ⊙ observed at

Variation of the Compass by Azimuth ⊙ observed at

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

"
1796 "
8 tons 3 80 lbs.

117 " 9/10 "

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

under the command of Commander at NO Cornich, U. S. Navy, Saturday Dear 31 t, 188%. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences Funtil 4 and Cloudy brown by Low Low of the Hochock water of but wind to betony to bet whip every, up to 4 oclock (of) wondmin Moster ufu From 41. faced track . Barometer vising. Breeze stiff in Equals from new to XXX to Lieutenauts ogel From 8 am to Moudian Heathw clear woold. Moderate breze from So + st . Barmeter faeling, Called all hands of pilot. Mastered or quarters ar 9.00. By order of Comy office placed the J. 1 Todger

up anchor at 9.5, Sot under way at 9.30, and stood in for anchorage, under direction (Caps), in double orion for 3 days for bring amount on duty, I form barrieron (13 m) in politory confinement for 3 days for break twater, for detempling to amuggle ligner on brank. backed all hauss to weeker at 10 -, & come to as 1000 with fort elaff at Hospital Sev, Flagstoff at Powder Magazine H 24/2 26. (gr) CRREE Leulewant ugw

Meridian to 4 Mu Mende to 4 Men Solve from Wx S. having to 4 x 26. Harhes our higes to re-stowed Abols & Storen . Seur a liberty facty ashore . Fidelum Flores at KE. 12. (pgs) WM Imin Macher regue

Sum 4 1. 80m Clear & cool, Light breeze pour 5°+11°. Seut donn't topgallant jands at 5.°. Regan principy to ettite at 6.°. Swages arrives at 7°° Siculturant agus (ops) attitude Liculturant agus

From SPorts Moidinghr.
Pleasant weather with cloudles any, Bright moralight totalight, Light and from Sw. Est tite.

(20) com Spring
Moasla eyer

Morn's declination of local midnight = 21.0 82. 16 A First qualto.

Examined and found to be correct.

+ 0	~				, 6	6									20	Rate, Guns,
TO	d of	the	UNITED STA	TES hip	i C	21	rex						,	0	2	Rate, Cuns,
6	70	tu o	La of	charal	1	long	hita	1	no	fo	es	10.	·			
-	T		10						1					1.		
				WINDS.			BAROME	TER.	TEN	PERAT		State of the Weather.	Forms of Clouds, by	of Clear in 10ths.	State	Record of the sail the vessel is under
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Vet Bulb.	Water at surface.	by symbols.	symbols.	Prop of Sky, in	Sea.	at end of watch.
A. M																
100000		o d	84	St	3		3002	1,5	3.3	30		E		10		
2			nev	"	3		11 02	1.5	39	33		"	-	10		
3			,,	"	3		, 03	711	38	33		fel	Cucu	8		
4			,	7	2		1, 01	1.8	37	32		',	1	7		
5			,	,	2		2997	1.4	37	33		7	,	7		
6			,	nne	E		195					,	Ci him	4		
7				,	2		11 93	1.5	38	3.5		00)	mis	0		
8	80	4	826	686	2		, 89	1.4	37	35		,	"	0		
9			86	86	2		, 90	1.7	39	39		ocn	"	0		
10			86x8	26	2		, 82					,	,	0		
11			16	",	2		7-85			100000		,	,	0		
Noon.			,	226	2		", 85	10000	100000	10000000		,	"	0		
		_					1									
	Distar	nce ru	n by Log since pre-	ceding Noon									knots	fath	oms.	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	۰	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, , ,
Longitude by Chronometer from Forenoon Observations O	• •	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	. "
Variation of the Compass by Azimuth ⊙ observed at	0	, "
Water expended during the preceding 24 hours	400	gallons.
Water during the preceding 24 hours		. "
Water remaining on hand fit for use at Noon	1390	6 "
Coal consumed during the preceding 24 hours	tons 21	oo lbs.
Coal remaining on hand at Noon	116 "110	· · · · ·

P. M.												
1		26	nue	4	2982	75	38	36		oc v	Duil	
2	Flood	unu	26	68	1,82	,(35	35		",		19 39
3		n 10 × 26	1	6-8	11, 83	19	36	34		",	7	
4		nu		6-8	1 88					1		
5		4	nnw	6-7	9 90	75	35	32		",		
6		"	7	1-8	1 96	78	33	31		oe		
7		,	1	7	1 97	7	32	31		be	Cam	
-	Est	2' 2	,	7	4 99					beg	4	
9		SEXS	"		, 99	78	33	30		beg	Cai	
10		886	,	18	20 00	70	31	29		4		
11		78 th		1,-8	1 03	65	30	30		4	1,	
Mid.		SH:		1-8	11 03	1,5	33	30		"	"	
			Marie Control of the		2000	Fig. 3	1000		1			

Longitude by Chronometer from Afternoon Observations ©	•	,	"
Longitude by Chronometer from Observations *		,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by at		,	"

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Vantit 4 Cecul

Clear tool. Light bregge from 8+Wo, at I funite corriging to flood. Bright
moralight fine shows of watch. Observed moralight last hour.

(45) cokelerty & Limiterary of a

James 416 face

Ouercost 4 cool. Light variable wireds. Barmeta facting. Began winging
to ebber 7 to

Lintender of Own sti Mondian

Overcost reved, with he any face of survey. Sich bringe varying from SEt, MME.

Eth tido. Or 9,3° carles are hands to muster, Read article for the guernment

of the stary, & musteres the one. (pp) 11.201. Suin

Monsteryer Mindian to 4 km Onercast world, Survey heavily during sution water. Moderate to push bruge from W. ar I franked Surveying to flood ago, whellogg Lientenact upon Mindian to 4 Por From 4 1. 8 Pm hus, Rees pur us s'Colorado, the following men unt fago & hammonto and recessory paper, Egra J. Sheppard, (the Bek South) Mich Sullivin (& Ef), John Flahelf (SEf), Same Swint (SEf) Thomas Leonard (Seaf) Hung Kern (088f) , martin murphy (088f) & Edward Forde (Ids). From SPM to Mideight

Blear raded, moderate to find heeze from in. Bight mombifle as

geo furthed pringing to est tide. Or 11,2° swang half annul to flood,

between wind stade at eas fevalate,

(gp) W. Killery Levelunder after Morn's declination local midight 22 04 26" of

First Quarter.

Examined and found to be correct.

Similarans + Navigator.

LOG of the UNITED STATES Ship Essex at auchor charal Hospital Hospital Monfock Va

au	a	ue	hor ctai	ral Iter	spe	ta	6 1	on	for	K	0	/-				
-														1.		
				WINDS.			BAROME	TER.	TEN	PERAT		State of the	Forms of Clouds, by	of Clear in 10ths.	State of the	Record of the sail the vessel is
Hour	Knots	Fathoms,	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather. by symbols.	symbols.	Prop of Sky, in	Sea.	at end of watch.
-		Fa				7				20101	- I			420		
A. A	1.							,				1				
1			26 HXW	unw	4-6		3,02					1	-	10		
2			Sit	nxw	5		" 04	1.3		25		"		10		
3			10× 16	"	4		1 06	100	59	27		1	-	10		
4	1		20 de	wnew	3		" 07	1.11	/	27		"		10		
5	-		,	"	3			1,5	00			,	-	10		
6			"	"	3		13					"	-	10		
7			wnw	"	V		" 15					80	Cuew	9		
8	1		Wx 76	",	U		. 17	70	01	28		"	Cú	7		
9	Es	6	626	n	4		1 2 2	70	29	27		"	"	9		
10			686	216	4		", 2 =	75	28	25		"	amis	9		
11			"	"	4		, 20	74	29	26		,	,	8		
Noon	n.		",	",	4		, 20	13	27	26		"	"	1		
															_	
	Dieto	neo Pu	n by Log since pre-	ceding Noon									knots	fath	oms.	
			D. R. at Noon	and aroun										,	"	
			by D. R. at Noon										0	,	"	
				0									•	,	"	1
			Observations at N		mations								0	,	"	
			y Chronometer fro				aattina	40 41								
			ring the time				r, setting	to th	ie					,	"	
			f the Compass by A			Sunr	ise							,	"	
			f the Compass by A		d at								350			
			nded during the pro										800		lons.	
	Wate	re	everd	during the pro	eceding	24 1	ours						246			*
	Wate	er rema	ining on hand fit for	or use at Noon												
	Coal	consur	ned during the pred	ceding 24 hours			*-						ons 2			
	Coal	remain	ning on hand at No	on								//0	1124	ces	"	
					1		1							1	1	
P. M	1.															
1			186	4	4		3, 20	72	20	28		be	Cú	5		
2			x	26 24	3		1 19	12	30	28		',	Ci Cum	8		
3			4.14	nxu	3		"19			28		"	"	2		
4			"	4 x, 26	2		1 19	20	31	28		,	"	1		
5			"	,	2		, 19		31			,	4	1		-
6			7624	,	1		, 24	70	32	3,		7	',	7		1
7			,	,	1		" =4					,	Ci	9		
8			',	,	1		" 27	1000				',	Ca Cum	57		
9			8	84	1		, 27					6		10		
10			86	",	1			11				,	_	10		
11			SEx of	76	1			1,4	2000			,	_	10		
Mid		1	16,	20268	,		1	1.4	-	1				10		
- MIC	*	1			1		1					"				
	L	eited.	hy Chronometer fre	- 10										,	"	

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude — observed at Sunset Variation of the Compass by

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence Funtil 4 acc.

Nearth clear resea. Bright mom retail for Bounute vicing, Reding to flood tide.

Breeze gentle to fish in force transping in deniation from a n in to in in in in.

(ogs) R Robbien

Limiterant ugw

bleavered, moderate heeze from N N. Ridning to flood tide.

Martin of

blear, roold having weather. Light to moderate breeze pour 20° 46°, at 9. " impertes & mentered or quarter; The following named men were forms obsert without leave of. He. Mo Quade (C Jof), Henry bades (bM), August Burnaw (Sh Cox), Walter Disiney (Jos), H Montgowery (104), & Berna Burns Prus. a rewast of two dollars each dran offernes for the arest and obliving on bound this vesser of chefoeling named ones, obsert without leave up. Henry bades (Cru, any Burnaw (Jos), Walter Desney (Jas, at 8° phyt fruited Levinging to est.

Ma :: +48.

Meridian to 4th.

Heather cold. Barrete steady, Clouds coins & cins curules. Breeze light to,
moderate from 10 to, 16 th. Suring to flood at V; severinging to fact. Sever ashore to
faid Len doctor each for B. Burns (An, 16 H Duade (C Jop), Henry bades
(C Mote), by ander of Coney Officies. The above oneutimes men were hought or
lover by the shorter of anne. (pgs) Reference

Limiterans oger

Sum 4th 8Pm

blear, cool, pleasant. Light aris from n'+st. Flood tide during water.

Gr 5,5 musteur at quarters, the following named mend were from a akent without have, any Burnard (SCK), +Wallet Disney (Ida),

(egs) grafficelery

Lindenant 1 ger

Son to Midewight

Nearter clear realed. Light airs varying in direction from 16 26 & to Sev.

Districting water. Survey to ebt at 9th. Verrying to startour.

(appl the Robert Coper.

Limiteriant ofer.

Monipheliation 22 04 ct

Examined and found to be correct.

Seculous & Navigator.

is under

Ces	0	ue	hor off	! Navo	e	1	fos	but	tal	3	of.	nfolk	0	_		
				WINDS.			BAROME	TER.	TEM	PERAT	URE.			enr bs.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel at end of watch.
A. M			00													
1			16	un E	1		3, 28	1,4	3,	29		8		10		
2	Flo	od	186	,	1		, 3.	1,4	3,	29		"	-	10		
3			2	76 6x 26	1		1, 30	1.0	30	29		"		10		
4			76 Hx 40	nué	1		1,32	1,0	300	29		"		10		
5			70 34	"	2		134	1,5	311	29		,		10		
6			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"	2		, 34	711	29	28		1		10		
7			nnw	26	3		1, 24	1,11	29	29		be	Ci	9		
8			nu	nnw	3		, 38		1000000			"	-	9		
9			nuxa	26	3		" 41	1000000				"		9		
			Ex Ho	nna	2		1, 42					4	-	10		
10			86,		2		1 43					4		10		
11				"	2		, 45	-	1			1,		10		
Noon			SEVS	"			", " >	115	-							
	Distar	ce ru	n by Log since prec	ceding Noon									knots	fath	ioms.	
	Latitu	de by	D. R. at Noon										•	1	"	
	Longi	tude l	by D. R. at Noon										•	,	"	4
	Latitu	de by	Observations at No	oon O									•	,	"	
	Longi	tude l	by Chronometer from	m Forenoon Observ	vation	s 0							•	,	"	
	Curre	nt du	ring the time	knots f	ms. pe	r hor	ir, setting	to th	ie							
	Varia	tion o	f the Compass by A	Amplitude O observ	ved at	Suni	rise						•	,	"	
	Variat	tion o	f the Compass by A	zimuth O observed	d at								•	,	"	
			ended during the pre										350	ga	llons.	
	Water			during the pre	ceding	24 1	nours								"	
			aining on hand fit fo										1491	/	"	
			med during the prec									/ +	ons (1)	1	lbs.	
												114				
	Coar	reman	ning on hand at No	on								,,,				
P. M	T														I	
			88	2-1			1 1	,	20			La	Ci	-		
1			11 6	42624	2		3., 39		38	-		o e	- Cu	9		
2			0	"	2		", 39	1	38	-		1	"	9		
3	-		1	8	2		, 39	1	38			1	"	9		
4	Fl	000		"	1		" *"	1	38			"	"	9		
5	1		* ron	284	2		, 011	10	35	33	-	&	"	10	-	
6			26 Hx H	SHXH	2		, 43	70	35	35		"	1	10	-	
7		1	26 26	784	1		, 44	70	34	33		1	7	10		
8			"	"	2		1, 40	10	35	33		1	"	10		
9	80	6	86	.,	2		, 46	70	34	32		,	"	10		
10	1		SEXS	82	3		4 49	10	33	38		,	1	10		

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

49 19 33 30

10

11

Mid.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence tentil + and blea reold. Light and from 20:46:, Barometer riving, Bright moulight.
Began everigy to food tide at 200. Frienshed at 300

(gs) b R Rose Lindetant. From 4 to face Sam to Medicais. Sam to Meridiaie. Heather clear scold. Barnuter steady, with a tendency to rise. Light bregge varying in direction from 20, to A 20 24, Shotsug to elt tite let 10,000, severying to for. Reces alongeride a commenced taking and board, Sixteen true food, land the fieldwing article in Pagementes dept Released James Comeron (Bon) + The Rodger (Conf.) from Conficuent, by order of Coming officie. (pp) & Robbin Similarant Ofw Similarant Ofw Similarant Ofw Clear & cool, Light variable bregs. Barometer steady. Fasking in cool, wood, and Paymi stones, Began pringry to flood or 2.32.

From 44.8 Pow From 4 tr. & Pw Hearten clean scold. Light bruge June WS st 1, St. Borometer vising. Moon pore at 4.°. Ship sideing to ebb to the Sewished taking in coal. Thirty tons. Landed ashes on book of lighter and at 5. to Many Low Ing came alwayinde and troth lighter in town (Syr) the Robert of the Lewisterant of the Lewisterant of the Mountain Hearten clean Level of Bright mornlight. Light breeze June S. & 6°. Commenced winging to ebb tide at 8°, finished at 9.0°.

(ags) CARLES

Lewiteraux agus

Juit Quarte

Examined and found to be correct.

Mom's declination bear midnight = 20 13 00 A

Significant + Navigator

ar ancher of Arachospital Arofalk 0.

				WINDS.			BAROME	TER.	TEM	IPERAT	URE.	State of the	Forms of	Hear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Wanthon	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vess at end of watch
A. M.												,				
1			86x 8	Sxw	2		3, +8	70	32	3,		6	-	10		
. 2			"	nw	2		7 48	68	31	30		4	-	10		
	Flo	00	884	",	5		, 00	1.8	32	3,		,		10		
4			26 1/x 26	nxw	2		1 01					',	-	10		
5			new	,	_		70-4	1		1000		7	-	10		
6			uux do	nna	3		,09	1,5	31	29		7	-	10		
7			"	zu	3		, 1.4					,	-	10		
8	,		nxx	21 x 6	2		7 1.9	1.4	33	32		',	-	10		
9			nxw	",	2-5		1 /15					"	-	10		
10			21x6	,	2-5		, 17					Leg	Ci Cum	,8		
	81	6	246	"	26		, 1,8					"	,	7		
Noon.			8861	,	2-5		., 1.9	1.4	30	34		",	"	4		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, ,,
Longitude by Chronometer from Forenoon Observations ⊙		, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	3,1,	gallons.
Water during the preceding 24 hours	1211	, "
Water remaining on hand fit for use at Noon	239	6 "
Coal consumed during the preceding 24 hours	tons 2/,	" lbs.
Coal remaining on hand at Noon	tons 21,	·"

P. M.											
1		86x 6	26	2-4	Je, 1,8	1.8	33	32	be	Can kin't	2
2		,	4	3	1 /19	115	32	32	00	,	0
3	The second second	"	,	3	17-	1.1	32	52	>11	"	0
4		,	",	2	1, 72	1.7	25	33	",	"	0
5	fled	unw	26266	2	, 73	119	33	33	1	Li him	0
6		n Wx 26	1	2	177	18	32	32		"	
7		1	"	2	1 79	1 19	32	35	1	"	0
8		,	1	2				32	"	Kind	0
-		"		1	1, 7	1/17	53	53	oca	4	0
10	Edt	2006	,	1	,)	711	32	32		1,	CONTRACTOR OF THE PERSON NAMED IN
11		',	"	2	1, 70				',	1	100
Mid.		"	"	4	" 73	111	34	33	"	,	0

ast no Corneck Hedresday Jany 4th, 188% under the command of Commander

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences suntil 4aco .
Chasave weather. bloudless sky Bright mom + starlight, Etf tide.

(syrrer se Suin Master up. From 4th Fall Thather clear roold. Light to gentle breeze from 16 to the to 16 . Flood tide running.
Barrowelle rising Reced on bown for cours 186 lls of pests beef and 109 lls of regetables.

Their to Manie it is From 8 am to Mendian Theacher generally clear toples out. Thur blaving in squalls from it E. Bermeter prices. Fewles sail at 112. Called all hours of ancher at 112 hove of port lancher, & let go startourd one, vering to 30 frus chair forward of bitts. Found port anchor foul, and began cleaning it. Began cronizing to est tide at 11.0. finished puringing at 12.0. (egs) CPRev Leintenach ugus Mende in the All of the sail of blondy toold. Light bruge from 16 E. Jide renning ebb., Sent up to Mary Fand and brought back the 2° Cutter. - Jordin 5 true of eval. and 2 cords of word. bleaus & secured for anchor. (Ofs) ch. m. Ismin Moaster uger I may the 8 Am.

Some 4th 8 Con

Some 410 8 how

Overcost scool. Light breez from 20 46 - Began Rivinging to food hide

44., fruished at 5.0. Horited in launch.

(41) CRREW

Lientenant upon

Thom 8th Midnight

Overcost cloudy scool, out light full of puror. Light breeze from 16 × 6.

Slack water at 1,0.0, fruished veringing to the ett at 11.2.

(291) co. 21. Assim

Maclio upon

Morn's declination local mideight = 19 53 09 A

Examined and found to be correct.

LOG of the United States Ship Essex, 3 Rate, 6 Guns, Cot anchor Off Naval Hospital Monfoer of

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear the.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	222 12	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			16	336	2		3070	71	35	34		ocs	Neins	0		
2			,	",	2		1 70	18	35	35		"	"	0		
3			686	,	3		1 67	15-	31	35		"	"	0		
4			,	,	2		1 67	70	31,	31,		"	"	0		
5			nw	,	1		, 1.1.	1.7	3%	36		,	7	0		
6			nuxx	,	,		1 15					,	"	0		
7			"	,	,		1, 1,3	18	39	39		,	1	0		
8			"	nnw	1		, 1,7					,"	7	0		
9			"	226	1		1/16	7"	4.	38		ocv	1	0		
10			',	"	,		1 1.1.	70	40	38		"	7	0		
11	26	8	688	nw	2		1/14	711	41	39		,	"	0		
Noon.			7	new	2		, 1,3	70	4,	39		,	"	0		
						-										

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	. "
Longitude by Chronometer from Forenoon Observations ©	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude O observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	350	gallons.
Water received during the preceding 24 hours	100	
Water remaining on hand fit for use at Noon	3046	5 "
Coal consumed during the preceding 24 hours	1 tons 36	O lbs.
Cool remaining on hand at Noon	136 " 220	05 "

P. M.			199									
1	86	nex	3	3, 59	71	41	39	oc	v	Mint	0	
2	686	',	3	1, 59	1		1	1		"	0	
3	,		3	1 60	1000	1000				"	0	
4 Flood	',	",	3	1 /11		100000					0	
5	",	',		1,1,5				1		,	0	
6	16 24	una	2	1, 1,3			1000000	,		.,,	0	
7	,	. ,	2	1, 1,4		100000	2000	"		4	0	
8	,	',	3	1 14	1000	10000	10000	,		1.	0	
9	,	"		1 /15				1		1	0	•
10	"	,	3	1 /13		10000				',	0	
11	48	,	3	, lin				00			0	
Mid.	86	",		1,09	1,,	39	36			-	0	
				/								

Longitude by Chronometer from Afternoon Observations O Longitude by Chronometer from Observations Variation of the Compass by Amplitude — observed at Sunset Variation of the Compass by

under the command of Commander at Mo Corner K, U. S. Navy,
Thurrowy Jany 5th, 1882. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences dentit 4 accel

Consecret, surving during watch. Ett tide during watch. Light au from 10° 4 6° d

Whellogg

Lieutenant agen From 4th, Face Overcast with heavy puros facel. Baconneles facting. Light briege from its 16 to. Began conjuy to flood title at 4.00. femiled at 500 CRR Leinternant after your confinition of the CRR Leinternant after the contract of the start of the st From Sto Moderation
Overcost, cloudy wrany. Light breen pour 16 26 6, veeing armed to 20 th.
Commenced Rivilying to lebt at 10.30 furnished provinging at 11.30.

(291) W.M. Irdin
Moostw yew Mende in to 4 Pen Sight here from 10°4 st - Ett tite duing watch.

(pp) Whelloff

The Litterant ager From 4t. SPW From 4th. 8100 Overcast, cloudy, varing. Light breeze from new hauling to now. Slack water at 400. I proung It to the flood at 4,20 All aster ufu From 8to Mideight
Weather overant with light fog. Driggling ochemially. Suring to the tite or
11:5. head to the not 60 Cys Med Kreery Luitenant ages 14" 47' 46 A Moon's declination local midight = Fuel mond Examined and found to be correct.

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude — observed at Sunset

Variation of the Compass by

at	a	uo	har off	Latara	ı	14	osp	Leit	al	•	n.	rfol.	KO	1	a	
				WINDS.			BAROME	TER,	TEM	IPERATU	URE.			ear bs.		
Hour.	Knots	Fathoms,	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb,	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is at end of watch.
-		-														
A. M			18	26 24	,		2 .	1-	30	20		ocm	Zuil			
1			"6		/		300%					0000	uno	0		
2			136	nnw	1		7 5%					of		0		
3			8824	, 2000	1		11 0%		1000	1000		,	7			
4	-		0011	new	,		1 16	1000	100	10000		"	'',	0		
5	del	nd	· wh	, ,	1		104					o e	,	0		
6			"	"	/		10%					"	"	0		
7			21x 26	,	/		75%					04	"	0		
8			1	,	1		1104					7	',	0		
9			"	Calen	0		1,53	1.9	38	34		',	1	0		
10			n.w	4	0		, 52	70	39	34		",	4	0		
11			,	",	0		7 07	70	39	35		,	"	0		
Noon	. Es	1	686	ESE.	,		, 45	70	39	36		ocv	"	0		
	Dista	nao ==	n by Log since prec	eading Noon									knots	fath	oms.	
			D. R. at Noon	acting 21000									0	,	"	
														,	"	
			by D. R. at Noon	•										,	"	
			Observations at No											,	"	
			by Chronometer from												-	
			ring the time				r, setting	to th	ie							
	Varia	tion o	f the Compass by A	Amplitude O observ	ved at	Sunr	ise						0	'	"	
	Varia	tion o	f the Compass by A	zimuth O observed	d at								0	'	"	1
	Wate	r expe	nded during the pre	eceding 24 hours									350	gal	lons.	
	Wate	r		during the pre	ceding	g 24 l	ours						60			
	Wate	r rema	aining on hand fit fo	or use at Noon									3291		"	
	Coal	consu	ned during the prec	ceding 24 hours								10	ons /	,	lbs.	
			ning on hand at No										. 219		-"	
P. M																
1			86	86	,		30 40	1	110	39		000	Mis	0		
9			",	7 %	1		1, 40	1				000				
			"	,	1		1 38		10000	38		"/	"	0		
3			-	"	1		7	1				of	"	0		
4			9	'1	1	-	1, 39	18	/	38		ocu	1	0		
5	17		4	"	2		1 32	70	1000	38		1	"	0		-
6	fl.	2	XXX	"	2	-	, 33	69	40	.38		1	11	0		
7	1		,	,	2		1, 32	20	40	39		7	1	0		
8	-		pil	,	2		1 33	1,5	41	40		"	1	0		
9	1		,	,	1		1 28	1.5	43	39		"	4	0		
10			21×26	4826	2		, 27	1.5	41	40		00	4	0		
11			21824	,	2		1 -7	1,5	41	41		1	1,	0		9
Mid			Sxx	"	2		, 19		42	ys.		*	"	0		
							/									

Foggy, mraestro Light breeze John St. at 5. newsters or quarters at J. S. Stopped distilling, Slack water at 5.20 at 6 punishs pringing 1. flood. Nowing to part. Storm 8Pm to Moideight.

From 8Pm to Moideight.

Hearter damp hazy & disagree able, Light breeze John Sto & SW.

Barrneter Steady, to shateur of elindo parry 546-, Commenced to eving to sto th or 10, buriegy to starters. (35) R. Rohren

Juiterast ym

Mon's declination as local Eloidinght. =

Examined and found to be correct.

Coal remaining on hand at Noon

LOG of the United States Ship Cours,
at auchor offerance Hospital Horfock Va

			//			,					/					
				WINDS.			BAROME	TER.	TEN	IPERAT	URE.	State of the	Forms of	Mear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	***	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			Sxev	484	3-5		3, 25	711	#4	43		och	mil	0		
2			"	"	2		1 56	19	40	44		"	",	0		
3			886	"	2		1 27	17	45	44		"	"	0		
4			,	7	2		1 27	1.7	45	44		1	',	0		
5	Flo	60	of	,	4		1, 29	18	44	ys.		",	',	0		
6			sh nur	,	-		1,27	1.5	44	42		"	',	0		
7			,	//.	2		, 29	71	45	43		,	1	0		
8			nu	Calul	0		131		45	44		"	',	0		
9			"	"	0		132	1.8	45	44		,	"	0		
10			"	"	0		1 34	18	45	44		,	7	0		
11			"	"	0		7 36	19	46	46		1	"	0		
Noon.			nnw	,	0		, 30	70	47	46		.,		0		
							-									
Distance run by Log since preceding Noon knots fathoms.																
Latitude by D. R. at Noon																
	Longit	tude b	y D. R. at Noon										0	,	"	
	Latitue	de by	Observations at No	oon O									•	,	"	

Longitude by Chronometer from Forenoon Observations ⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Water expended during the preceding 24 hours during the preceding 24 hours Water Water remaining on hand fit for use at Noon 134 " 1285 " Coal consumed during the preceding 24 hours

P. M.										
1		86x6	Culcu	0	3, 3c	70 48	47	oct	Mis	
2		"	,		The state of the s	18 47		"	mis "	
3		"	8	1		67 48			1	
4		36	Calen	0		18 48		"		
5		"		1	106	1.8 48	46	ocsu		
6		"	"	1	135	1.5 45	44	"	,	
7		nne	Ex 26	1	136	1.8 45	44	,	4	
8		ZUXW	0'-	1	1, 36	70 46	45	ocat	,	
9		20 W	88	1	, 33	70 46	45	7"	,	
10		nuxu	"	1	, 33	70 46	45	to	Cu Com	
11	4	nu	"	1	132	19 44	45	benu	"	
Mid.	High	",	",	1	1132	18 45	44	ocru	Tiens	

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

under the command of formula attro Connecto , U. S. Navy, Salurray Jany 7th, 18 52 Commences tentil 4 am Overcast of Grand of watch, Baroneter rising, Riding to ebb tide. Squaely furt hat of watch, Baroneter rising, Riding Level tide. From 4to 8Au From 4t. 8 Am Song Jog. Light aid from S'tW, Calculant hour. Slack water at 5, at 5 so finished bewriging to flood, Sung to fort (Sport of Release) Lew Lew water of the From 8to Mendian Heartwfoggy & designeeable, Borometer somewhat flucuating in height, with a tendering to Seteadius ar end of water. Calm. Or 9, mustered and inspected osed at I quarters. Suring to ebb tide, suringing In fort; Sustin France inagagine of got , 8 sin Ma R Sheel which are filled with igentor, and extra magazine to forge, Confined John Dogle (Ctol) in solitary confinement on bread treater, and Pelin Devany (145), in double crows, by order of Cong Officer for 3 dags.

Meidean to 4 PM

Meidean to 4 PM Mudian to 41m Overcas of grand of watch. Riding to eff tide.

Read from 11 St & Franklin' James . H. Stevar (Las), and Geo It Jordan (Sor), shipped for operial service, (grad be Reed Limiterant ages From 4 to 8 Prov. Light ais from & to Ex 26. Barometer steady. Surrey to flood tide at 600 langing to start mo. Lost a deak Lawf merboard, while putting in store in port ganguay.

Some Store Resident From 8to Moidinght

Overcoot Afoggy, during quarter par furalth. Borometer steady. Ship vides,

to from tide, Began livinging to ebb at 11.40 page CRRico

Lewilewant Ugar °03 58 × Morus declination as local mideright. = Jul moon Examined and found to be correct.

The the Parker.

Variation of the Compass by Amplitude

Variation of the Compass by

observed at Sunset

LOG of the United States Thep Essey, 3 Rate, 6 Guns,
Warnelor Afectaval Haspital Artofack of

0	1	a	re	Kar all	ravar		-	Jan					0	1				
F					WINDS.			BARO	METI	ER.	TEM	PERAT	IIDE			1 5 4		
					WINDS.	1		DATE						State of the	Forms of	of Clear in 10ths.	State	Record of the sail the vessel is under
He	our.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height	in 7	Ther.	Air Dry	Air Wet	Water at surface.	Weather. by symbols.	Forms of Clouds, by symbols.	p of	of the Sea.	at end of watch.
			Fati				Lee	inche	5.	att a.	Bulb.	Bulb.	surface.			Prop Sky,		
-																		
A.	M.	0		00	16			2							5. 1			
	1	Es	6	\$6	\$6	/	-	300	31	75	46	45		com	Min	0		
	2			"	"	,		2 3		75	46	45		"	9	0		
1	3			',	"	,		J	0	73	46	44		',		0		
	0							1 3			0.1	44			"	0		
-	4		-	"	1	1		"		71	77			"	7			
	5			86x8	Calen	0		7 2,	7	71	45	44		2	"	0		
	6			8	,	0		, 2;	, (68	46	44		',	,	0		
		Flo	,	34 x 8	8	,		, 2	2	70	48	48		',	',	0		
	7	10	20			-				1	48					1		
-	8		-	7× 76	"	/		1 2	10	00	40	48	-	',	',	0		
	9			nnu	"	2		12	9 1	15	00	49		oct.	1,	0		
1	0			"	SSW	2		1 2	9	1.4	00	49		ocd	',	0		
				",				/		15	52	51		oci	',	0		
1	1			0, 4,	"	/		7 2	7 "	.0				000		0		
No	on.	Es	-	SHX M.	1	1		" 2	>	71	83	12		,	',			
								/										
					1. 17										l-n ata	£.41		
		Distar	ice ru	n by Log since prec	eding Noon										knots		oms.	
	1	Latitu	de by	D. R. at Noon											•	,	"	
	J	Longit	tude b	y D. R. at Noon											•	,	"	
															•	,	"	
			itude by Observations at Noon O															
		Longit	tude b	y Chronometer from	n Forenoon Observ	ration	s 0								•	,	"	
		Curren	nt dur	ring the time	knots fr	ms. pe	r hou	r, setti	ng t	to th	е							
	,	Variat	tion of	f the Compass by A	mplitude O observ	red at	Sunr	ise							•	,	"	
																,	-11	
		Variat	ion of	the Compass by A	zimuth O observed	1 at									7			
	1	Water	expe	nded during the pre	ceding 24 hours										350	gal	lons.	
		Water			during the pre	ceding	24 h	ours									"	
				ining on hand 6t fo											2591	,	"	
				ining on hand fit fo														
		Coal	eonsun	ned during the prec	eding 24 hours									133 to	ons 141	"	lbs.	
	-	Coal	remair	ning on hand at Noo	on									133	" 212	5	"	
D	11								1									
P.	M.		100	00	1			2		,				,	4.			
	1			86	0	1		30 2	2)3	54	13		oca	heirs	0		
	2			"	4	1					5			oe	"	0.		
	3			',		2		,		2		54		',	,	0		
			1	1	',			"	1	10	10000				1	0		
-	4	4		710	',	2	-	1 2	24	75	70000	-24		"	"			
1	5	The	2	886	,	2		1, &	0	77	55	84		'1	"	0		
1	6			8x6	,	-		1, 2		19				"	1,	0		
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D	Iid.	2/3		"	"	5		" 1	4	19	22	94		bern		0	-	
									1									
		Ton	it. 1	by Change	- 16										•	,	,,	
				by Chronometer fro		rvatio	ns O											
		Long	itude	by Chronometer fro	m Observations			*							•	,	"	
		The Real Property lies																THE R. P. LEWIS CO., LANSING, MICH. LANSING, MICH. LANSING, MICH. LANSING, MICH. LANSING, MICH. LANSING, MICH.

under the command of Commander at Mo Corneral , U. S. Navy, Sunday Jany 8th , 18 82 RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Communes devetit 4 according to Dish air from \$6 find the hours, Calen latterfactor Ship viding to 866, Willy Wondrien (Off) Wondrien Macher regres

From 4 to 8 according to raw. Borneter feeling, Swang to flood tide, or 9.— eninging to foot. Calen first half frontal. + light airs from \$2 latter half

(Agr) K. Robert

Linteract agas From 8th Medicalian

Overcost traing, Light air from Stell. Musteur or quater or quater or grade of Comog officia inflated the ship. By order of Comog officia released John Doyle (C Fel) from confinement, Janoplaced him under Surgeon's Charge.

(ogr) ORRees

Lintenant upon Muideau to 4 Pm.
Cloudy tracy find hour, chang lactur fear. Light southerty air. Ettlich.
(ops) www. Innin
Moaler uga From 41. 8 Pow Foggy, orecast, light briege from So, Slock water at 9:0 and at 8 Henriched swinging to flood, Open Stakes Levelinant life From Sto Moideight when for lifted, Light aus fait his hours. Moduals bought remainder of watch. Slack water at 11. aus at 12 puished principle bounding to fund, Bright mornlight last hour.

(20) Modern auch agel

Lieutenaut agel 2 4438 % Morio declination or local midight = Fall moon

Examined and found to be correct.

Luilenant Navigator.

Longitude by Chronometer from Observations

observed at Sunset

Variation of the Compass by Amplitude

Variation of the Compass by

				81	4 1	Co.									3-	Rate, & Guns,
LOG	d of	the	UNITED STA	TES Ship	h (le	sey.	,		2	,	, ,	,			Rate, Guns,
ar	ac	est	lor offe	taral.	Ho	Sp	sita	6	0	ron	fo	ext)—			
				WINDS.			BAROME			PERAT				10 %		
Hour.	Knots.	ns.	Courses steered.			w.				1		State of the Weather.	Forms of Clouds, by	of Clear in 10ths.	State of the	Record of the sail the vessel is under at end of watch.
		Fathoms.		Direction.	Force.	Leevany.	Height in inches.	att'd.	Air Dry Bulb.	Wet Bulb.	Water at surface.	by symbols.	symbols.	Prop Sky, i	Sea.	
1 1										333						
	1. Eth & Set 4 3, 15,057 16 bef Mini 2															
9			888		4		2 17				1000	,	',	4		
3			,	"	3		11)				1000	,	.,	6		
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			H Sh									40	Cun sto	- 2		
7	Cat-															
			in	1/x S	2		, 17			57		,	a'	7		
8				1	3		1 17			1		,	7	15		
9	1	,	00 4	"	4		1 17		59	.57		00	mint	0		
10	he of	99	run.		4		216		56	54		"	"	0		
11	0		'	"	4			12					"	0		
Noon.			,													
													,	6.0		
			n by Log since pred	ceding Noon									knots		oms.	
			D. R. at Noon											,	"	
			y D. R. at Noon												"	
			Observations at No												"	A COLUMN TO THE REAL PROPERTY OF THE PARTY O
	Longit	ude b	y Chronometer fro	m Forenoon Obser									•		"	
	Curren	at dur	ing the time	knots f	ims. pe	er hor	r, setting	to th	е							
	Variat	ion of	the Compass by A	Amplitude O obser	ved at	Sunr	ise						•	'	"	
	Variat	ion of	the Compass by A	zimuth O observe	d at								1 -	,	"	
	Water	exper	nded during the pre	eceding 24 hours									250	gal	lons.	
	Water			during the pro	eceding	g 24 l	ours						, ,		"	
	Water	rema	ining on hand fit fo	or use at Noon									2246		"	
	Coal c	onsun	ned during the pred	ceding 24 hours									ons 170		lbs.	
	Coal r	emain	ing on hand at No	on								130	" 34	5	"	
														1		
P. M.	1												-			
1	he	chy	flilot	wxs	4		30 17	74	53	02		00	mil	0		
2		0,1	,,	,	4		11 17	72	23	51		"	1,	0		
36	Cran	hot	If that Monor	,	U		1 10	00	52	50		"	1	0		
4			Hor	Sit	U		1 15	20	52	50		be	11	2		
5			,	,	2		, 19	70	52	51		1	Cum Vin	1		
6			,	,	2		1 22	10	54	51		",	4	1		
7			st	etct th	3-4		, 27	68	55	51		let.	ar him	1		
8			nnn	1	3-4		1 29	1.8	ret	49		,	"	1		
9			216	1	5		, 34	10	V-2	48		,	,	2		
10			4	1	5		, 35	68	49	47		4	1	3		
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Mid.			4	exer	4		, 37	68	48			"	4	5	-	
							/			1						
	Long	itude 1	by Chronometer from	om Afternoon Obse	ervatio	ns O							0	,	"	
																THE PARTY NAMED IN COLUMN TWO IS NOT THE OWNER.

under the command of Commander att no Cormics , U. S. Navy, monday Josef 9t, 1884 RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences that & all Pharaux weak with a light fog . Moderate bruge from St. Buring to ebb tide at 1,00 (gr) combinion Master ugu Sme 4t. faw, blear tpleasant. Light bruge from SW. Began avoinging 1. flood tide at 6°; Making preparations for Dea. Started frim under his form after briles at 6°. Making preparations for Dea. Started frim under his form after Copp CRRees

Zunterant Ogn

Jenn 8th Mexidian Overcost & cloudy, Moderate heeze from Wx S. Conflite & preparation for Sea. Or go called all hands up anchor, How up, cattes & fished startones anahor, and starte ahe as ar 9.2 running down for Fortiers Memor, under guidance of filot, Went to quarters for wiefestion ar 10.00. Or 10- passed tamber Point light house, ans ar 10.00 passes trang Stand Sight House ar 11 cloved down, and ar 11- stoffe d. Wraft of ship forie 14. fr- 2- anniship 10 ft 3. 641. 11. 1- Pilot came on toas I ar 8.20. (pgs) wondring Muidean los Pour Light haze having over the land, cloudy, mild pleasant weather, 0+12 weur ahead, ar 12 " ovent to Sevene Granters & fines 10 sheel from Sin first, by adu of Bouran of Brduauce, filled with fuze ignitions, they are exploded accurately, with the exception of #4, which explodes, the may be. also fines 3 shell from 60 for Perst, Secured ar 1,45, as 200 called all hands brig ship to an anchor, and ar 2' came to with sett anchor + veend to 40 for chain, in 12 for of water. Themble Littles Exx 14 %. Old Powit life 26/476, Haupton wnw. Ebb tide. ogs Whellogg Jim 4 to 8 Pm Cloudy tohnating, Squarly last two hours, moderate mege pour tox of houting to a aw & prohening, 8666 tide, Rebeur Royars topgarlaur Dails, Security Sin Riflo +60 Per for Sea. iggs to m. Frain Master lyer.

From 8th Moider Att. Som Sto Moidwight, Som to Moidwight.
Cloudy, cools Moderato buey gradually hauling from NNEW to NX E. at 820
fruithed everying to flood, Observed mornlight. Weter collectory Levilework you 1 41 28 8 Morn's declination or local midnight . = Examined and found to be correct.

Similariant to Navigator.

LOG of the United States Ship Essey, 3 Rate, 6 Guns, Warehor off Fothers Moura Hamplon Roads 72

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	lear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Wasthan	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M			28	16	4		30 39	1,11	45	41		·be	C:	8		
2			26	,	5		145	hy	44	40		,	,,	3		
3			,	"	4-6		, 44	ug	42	38		beg	"	7		
4			new	xx6	26		, 44	60	42	39		by	"	10		
5			7	7	46		, 44	55	42	38		be	1	9		
6			unw	,	5		1 47	57	42	38		"	"	9		
7			26	26×6	4		" 54	70	41	37		',	1,	9		
8	-		7	"	4		1 09	11.	4,	37		,	,	8		
9			"	1	v=6		1 09					"	,	6		
10	Star	die	out from	',	5-6		,09	79	40	36		"	"	3		
11		1/4	out from ampleon Road	. "	5-6		,0%	7.5	40	36		00	himo	0		
Noon	3			"	5-6		, 52	75	44	37		"	"	0		
			n by Log singe pres										knots	0.3	oms.	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon ⊙	•	, "
Longitude by Chronometer from Forenoon Observations O	•	, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	0	, "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	280	gallons.
Water preceding 24 hours	5571	"
Water remaining on hand fit for use at Noon	25-11	
Coal consumed during the preceding 24 hours	4 tons 21	HIlbs.
Coal remaining on hand at Noon	4 tons 21	· · · ·

P. M.																ı
1	7	4	6/226	NUE	4	311	41,	95	43	34	47	<i>e</i>	Fruit	0	8	
			",		4	"	45	78	*	40	47	be	Cirnin	3	"	
			"		4	1.	48	82	45	41	47	1	"	1	"	
4	7	2	"	"	4		_					oed	nein			
5	7	0	"	"	4	"	46	84	45	43	511	oc	4	0	4	
6	1,	1.	"	1	5	7	40	20	48	44	M	ocd				
7	1.	8	1	1	1	1	36	70	48	46	50	ocr	9	0	"	
8	1.	1,	1	,	7	"	46	10	48	46	51	"	1	0	"	
9	1.	11	1	1	5	 7	33	1,5	48	46	51	"	"	0	1	
10	J	8	1	1	4-5	1	29	62	49	47	51	ocq	1	0	7	-
11	1,	0	,	,	45							,	1	0	Su	
Mid.	1	8	,	6x 8,	3.	"	21	1.11	52	51	57	ocd	,	0	"	
		1		The same of the sa	1	130			1000	17/3/3			1	1000	1000	

Longitude by Chronometer from Afternoon Observations ⊙		,	"
Longitude by Chronometer from Observations *		,	"
Variation of the Compass by Amplitude observed at Sunset	•	,	"
Variation of the Compass by		,	"

under the command of Commander at MC Corne ch 2, U. S. Navy, Duesoay January 10, 1884. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commence Lunter & ace Weather clear spleasant. Barruete viving. Bruge moderate to fush from W. Coins doubt Funished pringing brett as 3.0. Lang swing to Starton to, Destricting water. Jam 4 to faw blear xcold. Fruch bruge from 2 x &, Lide ouring ett. Jam & to moredian blandy, dort, Fresh to stiff bregg for MME, Or 9 called are hands and how of startfand anchor, ar 9:00 wear ahead under steam, and stood down the Roads horands Cope Henry, ar 10 ser all for and oft Sail, ar 11.30 Pilot left the Ship, at 11 thore departure from outer channel truy, Set the pateur log, Course 1/211. Speed 7.8 dusts, Revolutions 52 Steam linels. Burmeter ar eur of watch 311,52. Muidean to 4 Pow
Heacher gewerall It. Ship's doct ford 14. 1 - amidehip 15-3 - aft 16-1 in -Heacher generally pleasant, Moderate breze pour MNE to E. Baromete steady. ar 1 - took in for and of sail, Los sight of land ar 1. ", larred a three mosted schooner on stantound land, standing to 50 Under steam, prosent tolls, Rev. 52/2, Density of sea water 1.25. (opp Re Robert Limiterant agel) Jim 4th. 1. Pm Osecast, light driggling rain. Light they from Ex &, Bosometin facility. Unbear to chains, the Oradoff (sas, feel while in the execution of duty ai the fine noun; & surtaines a fraction of the lig. Strawing, Res 47, Indeed 57. Denity of Sea water 1,26. Copy BRRies Linkery Jonn 66 FRew Overcant & cloudy with steady rain are the watch. Fresh brige from 6x 20 Moderate Dea, I ship rolling early, Steam or Cls. Rev 44.7. Newify of has booten 1.20. Pateur log registeers but — (250) wong from 8th, Moidwight, Overage no 46, Ste am 60, Barmelu facting 30, 20, ar and fenale. Ity is ! Morn's dechuation at local milight = Examined and found to be correct.

Making parrage to	Fruchal	Madeira.
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n	Making farrage to Fruchal Madeira.																
Ī	1	1	WINDS. BAROMETER.					TEM	TEMPERATURE.								
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M. 1	1.	5	61/2 26	Ex 8	4		3,,8					ber	mil	0	8	
1	2	1.	5	,	,	4		" 14					,	",	0	1	
	3	3	0	7	,	3		113						Cu' Cum	0	"	
1	4	8	0	"	,	2		110	hin	55	14	55	be	Cu Cun	2	"	
	5	8	4	,	',	2		1 10	0.000	1000		100	"	"	3	1	
	6	f	4	"	8	2		, 116	ha	57	56	55	, ,	hem' Sto	2	1	
	7	7	2	7	84	2		706	13	6.	59	5)	"	"	1	1	
	8	8	4	,	484	4		, "7	18	19	8	1,0	oc m	minis	0	7	
	9	9	0	,	,	4		,119	1.8	59	18	55	,	.,	0	1	
	10	1	6	,	,	4		1 115	1,7	09	5%	57	be !	a sto	8	,	
	11	1,	3	7	,	4		1 113	1.5	ha	58	08	m	nin	0	1	
	Noon.	1,	6	"	,,	¥		, 01	1.1,	19	17	17	, ,	"	0	"	
-										7						0	
		Distar	ice ru	n by Log since prec	ceding Noon							,	180	knots /	fath	toms.	
				D. R. at Noon										7.0			
				by D. R. at Noon				,					9	2 . 0	0.	w	
				Observations at No	oon O								THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	. 2 2			
				by Chronometer from		vation	. 0						22				
80	/			ring the time .9				r setting	to th	- 1	4.5	600					
00				f the Compass by A					to th					0	,	"	
	-							45 au	1)					4.	, 0	vi	
				f the Compass by A		1 at							13	41			
				nded during the pre										4		llons.	
		Water			during the pre	ceding	24 }	iours					1			"	
				aining on hand fit fo										10		"	
	-	Coal	eonsur	ned during the prec	ceding 24 hours									ons!4			
		Coal	remain	ning on hand at No	on								112	" 12	, 0	"	
Ī	P. M.																
	1	1	8	6/2 36	21.8			10-1	1,5	1	. 10	1.5	(6.0	mis	0	m	
-		8	-	612 8	uxs	1		19 91,	-			1, 2	teg			0	
	3		1	6/2 0	2000	1		31112			7),	To	"	0	1	
	3	9	0	"		5-6		1 116			7	//	"	10	1	"	
	4	94	15	5"	"	17		7 116	1.3		59	14	1	Cum hims		1	
	5	4 5	5	6 x 20	1	7		1 17			55	12	7	1	0	×	,
-	6	8	5	6/28	1	2-8		11 10	14	57	54	71	1	"	4	"	
	7	9	0	/,	1	6-8	1	1 13	15	5%	54	12	-1	1	1	R	
	8	8	4	"	"	6-8	-	1 15	1,5	16	54	12	,	4	3	1	
	9	8	8	£ 3/4 8	1	18		1 15	17	22	52	-72	- 1	1	5	1	

Longitude by Chronometer from Afternoon Observations ⊙	0	, "
Longitude by Chronometer from Observations *	0	, "
Variation of the Compass by Amplitude observed at Sunset	0	, "
Variation of the Compass by		, "

Wednesday Jasey 11 th, 188%.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences feutil 4 am. Weather wer & disagreeable on feit part fronts, impring in latter part. Bornesterfacting, blonds Cinio, Cumulos & Minibes, Sew.
smorth. Ship under steam, presum 55-6 lbs rev. 47.1- Light to merderate breeze from
Ex 8. Density of Rea water 1.23. (CH) Kir Robert

From 4th 5 aw, Weather cloudy theasant, Gente bruge hauling from Exs to 4 SW, smooth Sed. Det for and of Sail or 6: taking in Spanker & main Ingrail as the would drow oft. Set freade at 7" and topsails at 7.0, By order of Com of Official allowed please to sun down, Proposed for croining light good. Hydrometer 1. 22 of 20 CKROES Limiterart Upon

Pleasur first far, cloudy over latter part, Moderate breeze from a SW. Moderate evel. .

at 8° crossed different gards, wear to quarters at 9.00, & secured broadside gues for Sea. as 9° stopped the Engines & ancomplex the forfellor, Set toppedant sails at 9° cores ray at gards and set royals at 9.00. Bent fortopment strucial, and set it at 11° Newity of her water 1. 25.

Meridian to 4 Pm

blindy, mild, pleasant. Moderato breze from wx & fait hour, which gradually haves to indust gale as and fivalet. Moderate such pome distalia of wind, as 130 trost in orgals + as 2 trost topgalant pails, at 3 set fore topmant playsail, Screw detaches + making from 35 to 410 terms, Districting, Density of sea water, 22 Level age, collecting Level ages

Heacher pleasant, Baroneter riving slowly. Breeze cliff in agreels for hes, as 420 trok a single ruf in topsails + stowed lit, Serus revolving at the rate of 46 ne. a long her from nev, Ship riding it easily making a heavy but now then. Newity quater 25.

Party cloney. Hind flowing a fund gale pund WW. Rough Den. Shipping occasional heavy Leas, Barmeter vising. Called all hands work chip at 7.2. Ist of for storm eligibal of storm iniggers, and made preparties for batting down + laying the chipts. Denty 25.

(25) ORRELS Sentemant cycl.

From 8 to Midwight Cloudy read Strong being squalls from new, Bear the fore storm staysail + plooned miggin. Denity of sea water 1.21. pgs 1884 from Moaster ugel

Mornie declination losse midnight = 10 20 32 &

Examined and found to be correct.

Secretariant + Navigator.

Master ugas

, 3 Rate, 6 Guns,

	d	la	Ku	· spare a	ge fim	n	nfo	ex	1	6	3,	Eu	ech	lae n	rade		~	
					WINDS.			BARO	METEI	n.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	Record of the sail the vessel is under
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height	in That	her.	Air Dry Bulb.	Air Wet Bulb,	Water at surface.	Weather. by symbols.	Clouds, by symbols.	Prop of Sky, in	of the Sea.	at end of watch.
	A. M.									,				4				
	1	8	5	6/28	New	5-8		3,19	100		200			beg	Cum hos	2	R	For topment elay pool
7. £1	2	1	5	"	"	6-8		", &		_				",	"	4	"	Suigh oceps fore + main
9.7 W.	3	8	5	"	nnw	6-8		11 2	4 1	12	14	50	1.8	",	"	1	"	Topsail oforepail
	4	8	5	"	"	6.8		" 2	4/	1.2	53	48	1.5	"	"	2	"	
	5	6	5	,	,,	1,8		, 2	3/	5	53	48	ha	",	"	2	2	
	6	1	5	"	"	18		., 2	7 1	13	53	49	1,	"	",	2	1	
	7	7	0	,	,	1,-8		, 3	3 %	8	5%	51	1,5	",	,	3	",	
	8	7	5	"	,	5-8		, 3.	- 1	17	15	10	11	,	,	y	"	
	9	8	0		7	1,-8		" 3.	3 1.	"	14	48	1.8	"	"	5	R	
	10	6	4	,	4	5-7		, 2	1. 1.	1,"	14	48	1.7	,	",	7	"	
	11	6	0	,	,	5-7		, 2	45	8	53	41,	1.7	"	",	4	"	,
	Noon.		0	,		5=7		, 3	20	18	53	41,	14	"	"	6	",	
78	an {	Latitu Longi Curre Varia Varia Water Water Water Coal	de by tude t tude t tude t tion of tion of expe	Observations at Noon Observati	knots f knots f amplitude © observed ceding 24 hours during the pre- or use at Noon ceding 24 hours	ms. pe	Sunr 8	ise			e Ea	ach		1	8 · 21 1, · 5 7 · 6 288 922 tons / 86 " 176	F	" " " " " " " " " " " " " " " " " "	
		Coal	emaii	ning on hand at No	on										"	1	T	
	P. M.			0														
	- 1	8	0	6/48	ANW	5-7		30 3	8	1,8	51	46	1,,	Leg	Com min	4	R	For sail suight sufer
	2	7	1,	,	"	5-8		,, 3	8	115	53	47	1,	",	",	6	"	Jof ails . For Hymanh
N	3	7	4	"	.,	5-8	-	, 4	0	72	52	47	111	,	4	5	1	stayal + Mari Trysail
5.00	4	2	2	1	, 13	5-8		" 4	900	71	52	46	10	"	,	5	4	
W	5	8	11	,	,	5-9		, 4			51	46	,	"	9	4	1	
	6	8	0	"	"	5-9		, 4	1/7	711	54	49	1,11	"	,	3	4	Sacre

10	8	0	"	,	5-7	"	46	1.2	57	45	711		,	"	17	"
11	6	4	,	26	5-6	"	44	1.11	52	45	1,5	-		,	2	"
Mid.	6	0	"	,	5-7	"	45	1,	2	45	15			"	4	"
	Longi	tude by	Chronometer from	om Afternoon O	bservations	0							•	0	,	"
				om Observations		*								•	,	"
	Varia	tion of	the Compass by	Amplitude o	bserved at 8	Sunset								•	,	"
	Varia	tion of	the Compass by		at									•		"

Thursday Jacy 12 th, 1888. att mc Cornick under the command of Commander RECORD OF THE MISCELLANEOUS EVENTS OF THE Commences secretil 4 aw, blondy pleasant, Blowing a moderate gul with occasional stiff equallo from new to 20 200. Moderately heavy excel from decistion of wind, Obsamed montife with occasional brokes with aloredo. Seems delached treading from 30 to 46 time, Barmete juing 30.24 at end of watch. Deverty 1.22 wheeling Sinterious age Heather pleasant, barmeter vieing. Buye stiff in oquallo from Will Ling and regular sea from How. Ship riding it easily, a heavy lunch now other. Denity 1,22 Limiter ofer From 8to Magidian Hearter faity cloney & pleasant, Strong hoge with occasional stiff agreals from 20 new. Ship rolling 30' leavons + 25° windward, mentions or quarter at 9.5 Set man Appail at 10: Commenced districting fresh water Newstry of Sea water 125 Spo) CARRES Linteraux "gul Meridian to 4 Mm blendy tood. Strong buge with occasional equally from 20 2000, He any event to the delig deeply. Got of prevente baces, Density of Sea water 120. From 4 to 1 Pen blear, mile, pleasant, blundy with frequent brooks in the clauds, Blassing a moderate gale from 20 10 10 occasional strong squalls, Barmeter riving along. 30.41 at eas of evaluable. Devicity of water 1.5 5. Ship rolling easily to moderate swell from deriction of winds, 10 to windward In the leavance of the leavance of the leavance Suitemont agen Jun 1 to 8 BW Meather pleasant, Barrete deady. Inch breg from Wew, Decenty of see water 124. a lay sea from notwo, which ship ride early (ogs) & Rohmer Luilenaux ofw 8 Pm to midnight. From N'+NO, Nistitling from water. Decemity of hea water 1.55 Sentenaux up Monis dealwatin los al midnight = 14 14 40 st

Examined and found to be correct.

Trity Park - Navigator.

Longitude by Chronometer from Afternoon Observations ⊙

observed at Sunset

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by

Friday Journay 13th, 18 8% under the command of Commander ast M Cornered RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences scurtit 4 acm Weather alternately alonely & pleasant. Moon shiring brightly latter part. Stray bright varying from 2 x & to 21 26. & very squaely. Dewrite of sea water 1.25. Districtly. last hour of watch, when weather cleaned & see cause out. Stray buy fund I No E, which gradually decreased to moderate bruge, as 6 shork ness out of topsails, + ser topgaclaux sails, Lib + Spanker, as I could have ahead to 166x 6. Moderate boken Dea. Devity quater 1.23. Mozo Co Meelogg Luilinaux uga Som Sty Mendian, Weather clear pleasant, Barrenter Jacking, Clouds cino Cumulus, Cumulus, and Cumulo sto. Dewrity of Sed water 123. Immit sed with occasional swell from 16 400 . Opened our the aways to dry, and books out the Stunswils. Stoffed distribuy water ar 9.00 KR Robins

Lecutional agent Meidian to 4 Pm bludy the aut . Lift variable air & caline . Burmete facting. Long power from no a light bruge from Sit opening of as 3.2. Sulwant app June 4 to 1, Pm Concert telendy, Light epinoching of rain fact how, Light bruge varying from St 1856.

I perhaining, Moderate Rea, at 5 west to evening quarters, at 5 cacled act hands to book on Justin tops ails, Devity of see white 1.25. (ops) worthing

Master upo Sum blo & Pa bludy resolute bregg from SSE, which in last how incurred to moderate gole of stormy equals. gradually harling to So 7.0 tross in Apoles toppalant sails, Sparked of the second sef in top ails. I sigle refin foresail. Sot up forward bases. Baronutufacting 30,10 or end, Sounty of water 125. Districting. go condellagy Sustement ogh. Jum 8 Bm to medicate. Nearther cool, Fading farmentes, Blowing a gale of wind from Stev- lest fact frank. Ot 10 carles are hand shorten sail, I took in species for tops with a close surges main tops and Cannot away main Trysail goff, while shorting vail. the ship making a heavy lunch , she high . Ship laboring early. Making a heavy lunch runs whete. pp. R Robins Lautement you Monis declination or beal midus jhr = 17 31, 40 S. Land Quarter. Examined and found to be correct. Leciterans & Navigator.

Variation of the Compass by Amplitude

Variation of the Compass by

observed at Sunset

making jarrage to Fundal Madeira

	ria		1		O ACC												
					WINDS.			BAROME	TER.	TEM	PERAT	URE.			P. S.		
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.		Air	Air	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M.																
		5	"	15	Sw	1.11	5	29 80	13	1/2	1,		oegn	Finis	. d	R	
	1	200	0	20	"	10000		1 511		10000			10	ino	0	,	
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	5	4	"	,	,			1 14		10000	,5		"	"	0	"	,
	6	4	11	,	•	111		1 /14			65		007	1	-	"	Son down clays and
	7	4	0	8		1-11		, 70			1,1,		"	',	0	7 -	For dom clays ail
	8	4	11	" "		1-111	1999	,75	1		1.1.		",	1	0	1	VM Frapail.
	9	3	"	Sx &	Suxus	1111					13			"	0	"	
	10	5	0	8/2 &	,,	1-11		1 70	10000		12		och	",	0	,	
	11	3	0	",	,	1-11	5	1 69			1,3		,	"	0	"	
	Noon.	3	0	SSW	24.	1-10	5-	. 19	15	10	1,5		"	,	0	"	
		Distan		n by Log since pre	anding Noon								93	knots	fath		
					ceding 1400n									,		"	
				D. R. at Noon									1,1			"	
		Longi	tude l	by D. R. at Noon									","	.0(,		
	J	Latitu	de by	Observations at N	00n O									•			
0	1	Longi	tude l	by Chronometer fro	m Forenoon Observ	vations	s 0							•	'	"	
Squi	ans (Curre	nt du	ring the time	knots f	ms. pe	r hou	r, setting	to th	e							
78	12 (Varia	tion o	f the Compass by A	Amplitude O observ	red at	Sunr	ise						•	,	"	
		Variat	ion o	f the Compass by A	zimuth O observed	lat								•	,	"	-
	,	Water	expe	ended during the pro	eceding 24 hours									281	gal	llons.	,
				amord	during the pre	ceding	r 24 l	ours						300		"	
			-	aining on hand fit fo									-	2154	-	"	
				med during the pred									7	ons 2/	21	lha	
													107				
		Coal	remail	ning on hand at No	on								, ,				
																Ī	
	P. M.	-		0-1													
	1	3	5	SA	A 24 A 4 x >6	1.9	4	2911	-								Nacere)
	2	3	0	SXXW	AXX 76	1-11	4	11 54									
	3	3	5	"	1	19	4	11 -115									
	4	3	r	. ,	,	1-9	4	11 54									
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	6	4	0	Ax8	"	111	1000	, 1.1.									
	7	5	1	,	74	1-9		17/1									
	8	4	"	4/28		1-9			1								
		4		24													
	9		11	"	ガメル	1	100	THE RESERVE TO SERVE	1	-	-						
	10	4	1)	. 0	"	1-9	-	" 81)				-					
	11	4	1)	11 x8	"	1-10	4	1 81,				-				-	
	Mid.	4	0	2/18	"	1-111	4	1 8%									
			-					300									
		Long	itude	by Chronometer fro	om Afternoon Obse	rvation	ns ⊙							•	,	"	
				by Chronometer fro				*							,	"	
		0						THE RESERVE									Control of the Contro

under the command of Commander att Mo Cormeax. Jany, 4th, 1887. Commence sentic 4 am, week training, Barmeter falling, Unid blooming a strong gale from SW. General eight where alivery appearance of weather. Ship sveling duffy, and shipping heavy scas. Batteres down hatchs or o- Starter frie un I biles as 3 40 From 4 to 8 aur copy, storing weather, raining heavily furt hour. Blowing a gale from set, with trang oguetes. Sen very roughe, Ship solling duffy & taking in water frequently. Or 6. turner and unasually heavy equall, the for topmant staysail stay parted at the suip, splitting the said a very little. Hauled downs & secured the said, and proceeded to set up the stay aproh, Engines reported really at 7. " (Opp) Wondmin 87" Mendian Ocecast, Bluring a strong gale from extinit prequest very heavy populs of and to pain sea very rough, thigh storker ship rolling heavily, and loccasimally shiffing moduate seas. While gradually hauling to meter, would at and of watch.

Or 900 had a very heavy squall of could train, after it had fareed, the wind moduates de 83° startes de de gine ahere slav, marking 30, to. 35 turns Boromete lu + de dy, 29.19. Meiler gy Lientenant your Merlidge Lientenant your Bal weather Barmelin flucuating Being a gale Jun 20 W to 26. Hough des brand laucher bury from port for chains & Soutry grating from Att main chains. Swiftened in for smain rigging & fore & made toponest backstages. Attaining ahead alow so the engines will work, Parsare on the Res 22. (go) R. Rohnful Liebenant age Some 4th. 1. Prev, Obecat ugly weather, would blowing in strong squalls from it it et . Very heavy sea. The What roped having gotten out of order, steered with reliving tackles. a desire reportes on bee bow, Jook in Africal Main Topaul at 5.5, Standing close with the wind by the sea, + lost overboard. (In ORRECT Similares of my From 1,t. 8 Pm. Weather plightly moderating. Ship rideing easier. as 6.00 per plooner Majgew. Watch at work on be what rope , steining with reliciony trackles. From 8t, Med sight Cloudy, strong breze from 2000 until 18 20 when a very heavy equal was experienced who wind encir asing to stong gale head modelate but mining. capidly: Same mosking 22 ner, Baronuta riving plouly 29.87 areus of walch. Monis declination of bed and = 20 05 41 8 Last Quarlet Examined and found to be correct.

Leilenaux + Navigator.

under the command of Commander att Mc Corneck , U. S. Navy, Sunday January 10th, 1884. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences Ventel 4aeu deather company. Baroneter rising, Blowing a gale form to to nexts, the could dropping care estimes to a feel bruge, Sea sough, shiff ridery easily. Straw processes 55 lls. Rev. 19

Att 10t 80000 From 4th. Face Fini weather, Bournette viving. Fruch brege from h'+N! Sed subiding, as ?'- called all haut make pail, Whook reform of foresail, one refort of Manitofrail + two sufe out of forestofiail, made sail and arm around ! Shaping course dust.

Cultured steam to sum down.

The case of the sum down. Janu St. Moundian Pleasant cocacher, Light been varying from 1x & to lite, at 8 to stopped the Engine and accompled the prefector, at 9 short respont of the tripsail, and at 10 Reh the topgallant clail. Shifted Fore Ingrain goff, in place of the main recur stemp of the later down "Marker Eyer" Meridian to 4 Am Clear & pleasant, Cloudy with occase in of glimpres John Sun. Sight to moderate bruge pow H. Oar I expers and set royals. & flying Jib. Moderately pough sea from direction family. Some detacted & making from 30 to 35 turns. I Sort main Appallant Steward good memboard. (31) 40 Rellogg Lieutenswinger From Ht. 6 Pro Heaches cleary pleasant, Bernutu sing, clouds cumulus vinibus Light to, moderate breze pour in a to a war. Le survet with and occasional bug surve Bright starlythe latter far Jwatch. Eggs KRohren Leuteraux agar Ome le to SPW blear the as out. Gento breze from 10° 411 & Smooth Sea Thuis houling to His. Leutenaux agris St., moideight. Oleas our weather. Light undleady breeze from 20°+st =, 200 devale swell. Ship rolling saily. rolling saily Montes of 1 Monis declination local midnight = 21 40 21 & Sant Leaster.

Examined and found to be correct.

Tott Park - Varigator.

				Jass aga	to Ju		1	il	21	6	ed	· ·		,			nate, Souns,
靂			1					1							-		
	Hour.	Knots	8.	Courses steered.	WINDS.	T	7.	BAROME		-	PERAT		State of the Weather.	Forms of Clouds, by	of Clear in 10ths.	State of the	Record of the sail the vessel is under
	Hour.	Knots	Fathoms	Contain Section	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Wet Bulb.	Water at surface.	by symbols.	symbols.	Prop o	Sea.	at end of which.
	-		-														
	A. M.	3	1,	6.	Anw	2		30 30	19	58	18	1.1	fo	Ci Min	2	1	
	1			vaer	,,,,,,	2		1 30	1				1	a r-con	4	"	
25	2	3	7	,	"	2		136		1			"	7	2	,	
		1000	0	, ,	"	2		1 3%	1			13	"	. ,	6	.,	
	4	3	0	"	nnw			11 36		1	59	14		i Cuw		',	
	5	3	-	"	ssw	2		11 34		1	55			Cun Sto			
35.47	6	-	0	"	"	2		" 35		1000				"	9		Royals, Effallant sals
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	8		11		Sw	4		142	78	1.2		1.4		Cum + 4.	4		In this the sails + top
	9	-	9	,	"	4		1 7	80		59	1			5	"	man stimsal
	10	1	"	1	1	4		7 41	-	1,5	/		"	1	1-	,	mar vien vac
	11	1-	1	4	"	4		38		1.4	1		"	,	5		
	Noon.	U	6	*	"				-			"7				"	
													110	,	Lu		
		Distar	nce ru	n by Log since pred	ceding Noon								35		fath		
		Latitu	de by	D. R. at Noon													
		The state of		y D. R. at Noon									35				
				Observations at No									59				
	1			y Chronometer from									- /	.0	9'	co	
Jgua	ne f	Curre	nt dur	ing the time 5	knots — f	ms. pe	r hon	setting	to th	ie v	VS	3	(e)				
78	-			the Compass by A									,	5 -	,	"	
		Variat	tion of	the Compass by A	zimuth O observe	d at	8.	300	in	v				3 . 111			
	,	Water	exper	nded during the pre	eceding 24 hours									288	gal	llons.	
		Water			during the pro	eceding	24 h	nours						~~		"	
		Water	rema	ining on hand fit fo	or use at Noon								/	586	•	"	
		Coal	eonsun	ned during the prec	eeding 24 hours									ons 19			
		Coal 1	remain	ing on hand at Noo	on								101	" 30	5	"	
	P. M.	4	0	6	11.					-			,	4		0	-
	1	2	0	6 3/4 8	SSW	3		3,1 39	15	1,5	18	hs	te	Ci Cum	5	1	
	2	1.	4	"	"	4		1 34	1.5	1,4	4	1/2	4	1	1	1	
	3	7	0	"	"	4		, 36	15	14	08	12	- 1	9	1	9	
	4	7	"	',	,	4		1 32	1,5	14	18	1/2	- 1	7	1	4	Torkin flerisals
	5	1	8	1	"	4		1, 36	17	1.3	57	12	9	1	6	9 -	Tark in Ray als + boplyt sinh
	6	7	4	"	"	4		" 37	17	103	57	1/2	"	"	5	"	reigh out tops ails +
	7	7	5	,	SxW	4		1, 33	1.5	1.4	1,	1/2	- "	",	64	7	as topyll sail over thems
	8	7	5	"	"	4		11 24	1.6	44	5%	111	"	',	4	1	
	9	7	2	. Exs	SSW	4		1 35	17	14	57	111	"	"	4	4	high reefes Topsails for
	10	7	2	,	" "	34		1 24	1.8	1.3	58	1,5	ocv	nui	0	"	prie, lib, main Try pail,
	11	7	0	,	Sxtx 8	3-4		, 34	1,5	1.3	58	les	ocq	"	0	7	Toppen pails
	Mid.	8	0	,	SxW	3-4		" 50	1.5	1/2	18		"	"	0	"	
		Longi	itude l	by Chronometer fro	m Afternoon Obse	rvation	8 0						59	. 13	. 0	V.	
				by Chronometer fro				*						0	,	"	
				f the Compass by A		erved a	t Sun							0	,	"	
				f the Compass by		at d							,	3.00	0, 0	and	
A CONTRACTOR					1												

under the command of Commander astmc Commick , U. S. Navy, monday January 16th, 1882. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commence soutil 4 acu, blear, bloody gester for fort forthe breeze from 4 20 cents, the Ship rolling easily to moderate serve from no test - (ogs) in Melly g Sinterious ages From 4 to 8 Azu Heather clear & pleasant. Bos mucher steady blows ceins cumulos & cumulos sto. Light Days from it is to ISW. The wind shifted or 4 3", as which time braced round by the for buser, a big in right on the stt town standing to no, and a barque in right on the quarter Standing to St &. Set Stb for topment slunsail at 7, and ron gor of topgalane stundails & bear them. Cyth Rohner Similarant you Jonn St., Mopidian blear tplearant. Sencte brege from Ses. Smooth Sea. Watch at work cleaning dearlo, Set toppelant plumoail at 5.0. (pp. plot Rees Sevilenant age Meridian to 4 Pm Heather flerant. Moderate bregg from SSW. Smooth Sea. + ship rolling saiely, But are stempail, Changed course to 3 1/4 S. at 12 " (ops) com Anisis Measter age blear + flearant. Moderate bregs pun S. Souvet S. a., as 44" trok ni tofgaelauge topment o'al, and carles are hands ruf tofsails, & set tofgaelaussuis over them, "funles myste + flying Sib, Monsterno ar quarters as 5.10, Serus detaches and making from 25- to 127 tumes, Barroweller 30 31 at eus fwalch. From H to 1. Pour Luituais yeu From 1. tr. 8Bm Some 1. 11. 819 Meacher clear pleas aut Bormete steady Clinds Cinis cumules. Moderate breys for SXW. Sea Survet. Ship steady, I Bright Startists

(gs) R Robbiels Lieutenant after From 8th mide: ght

Heather clear during first par Jurateth, afterwards cloudy with first huge wint

occasional stiff equals from SIN: Someth her.

Of CRRech

Limiterator age Limiteraux ages Morris declination los as midnight. 21 57. 00 S Examined and found to be correct.

LOG of the UNITED STATES Ship Geny 3 Rate, Guns, making possage from norfock or to Junchal Madeira Height in inches. Ther. att'd. Direction. A. M a The Fore pail, puigle rufes 3, 30 ho hy 58 hh , 26 hs hy 18 hs. " 28 ho 14 58 hh , 25 hs hy 18 /1/1 1, 22 15/3 18 11 1, 21 15-13 18 11 3-5 3-5 3-6 , 25 /15 /4 18 19 SW 7 26/1/14 58/17 4-6 Ci , 25/19/15 59/17 1 sujecufes Top ails + , 23 1.6 14 1, 17 new 11 11 11 h3 ha hh oeg 174 knots Distance run by Log since preceding Noon Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon ⊙ Longitude by Chronometer from Forenoon Observations O Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 2 88 gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours Coal remaining on hand at Noon SxW me Sugle outes to for als , Foro 5-6 30 20 ho 115 huly les her lik 8 5-6 pair, toffet pail, lib 16/15-14 59/17 35.48 8 17 14 vg 1/1 1 14 11 113 09 11 tool in topy toail & lib 17 13 1, 11 15 17 14 11 "I Sugle out to Apoals Main 1 14 17 /4 /11 1.1 Trysail, fore paul and 0 10 0 4-6 11 11 0 Mid.

Tuesvay January 17 £, 18 82 under the command of Commander attm Corneck RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences Lewis 4 accul

Commences Lewis 4 accul

Concact & cloudy, with light epinkling frain. Insh brone pow SSUS. Moderate Rea. as 1230

Took in Afailed Sofgaelans sails, bet for storm stay are, thanks dun Asland List.

(45) constrain Masler age. June 4th face brugg from SSW. Moderate Sea. as 6 set toffeelaur pails and Sis. Barometer steady ar 30. 24. (egs) cottaellogg Limiteral of Jam Ste MO quideau Teacher generally pleasant, though sementer equally. Breeze moderate to feel in equal. from SSW 1. Ix W. Clouds cins strates, cinis & minters, Boundle faeling slowly, Moderate pa. Ship rolling spelishing paid. Gr 9: monters and inspected ones at quater. + duiler 1 + 3 Die ar small assus + 2° Die ar Sugle sticks. The following names boyo have "one lookon or wheel every day watch, regular lookon ar right and to stay and Quarter deak during right watch, and from suffer to 8 Phus, from hond 19 to wit to store 19 to mit," F.R. Bestfort (10B), R.E. Hung (10B), John Lee (Sdo), C.E. Ludner (2°CB), Cha. Llya (10B), In R Citaus (CB) + W.E. Picket (ICB), by order of Comog office, for strong themselves away during their watch on leak. Gr 11. braces of a couple of points by the part braces.

(gr) R Robbell Similarant age Muideau to 4th Story breze from SxW. Moderate sea, gradually going myh. Burnulu faeling Indications of ugly weather, Fruithed repaining Safe topment stay said + stay, and set the said at 3.45 (sys RRees Limited agel) Jan 4t. 6 Pm Gueast tolmy, with light driggling rain, Fresh breage from Stell. Sea smooth. at 4.30 trok in the Steppelaur sails. (A1) 10 me humin Moaster upper Juni le t. & Prul Overact. Inch breze from S. moderate Dea. Bennete steady at 30.15.

Gentlemant Cyce

Start mi. . l. SPorto Midnight. Heather oqually & cloudy. but not respleasant, Barriete deady. Hinters and Cino Cumula dond. Modelate Rea, Breeze moderate to find for Si' - Ship rolling spiloting early Mono declination local smid 20 48 1198 Examined and found to be correct.

Leulenar & Navigator.

Longitude by Chronometer from Afternoon Observations ⊙

observed at Sunset

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude of

Variation of the Compass by

under the command of formm ander attno 6 ormerch , U. S. Navy, Wednesday January 18th , 188%. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences tacte 4 and, Overat during first haef of watch. Party clearbathe foot. Stray breeze from S.W. Boromela facting. Sea phonong rough. Coppet CRReds Limite you blody traing, Frak hogy from USW with 6 5, when it suddenly shifts to, the total &, Brailes of Main Grand thace I awn, Ser Main Frysail at 8- Heavy sea, tship rolling duply. (Agr) 10.711 Inin Moaster offer Ann & to Mendian Range, Overcar with prob bruge from hx W, until 9 30, when the class chant away & the sun cause out. The been perhined to moderate gale and took 2 brafai topsail & single neg in presaile, Hauled dawn from topmants stayand. Ahorito storm stograil moderate sea. Ship rooting, sarely. Questo at sus faulted 30. 22 (40) WM relogg. Limited of Sicilians of Mendian to 4 Pm Heather aqually, but ut supleasant. Buy stell in squall from 28 x 20. Clarks cumulus Muintus. Le myt. Ship labring lacif. ar 1 changed course to SE x & fy order of Comp Officer. audinis 120.28. Distribution. Condemned thous ontons I can top ticke butter. Exist Robins Juilletians The Cloudy to grady Unid hauling to Et, Moderate Lea. Muster a arguster.
At 5-1 fer for Thurson Stageart at 5-2, and haules out head of Main Infoail at end of water amening to Es. 100 Septembers again Jonn 4 to. T. Kow let. 8 Pm Queino 30.35. Pich huge from HE with Jugueux squalls, moduate sea (eggs) ls. M. Somin Made yas St. miding & . Cloudy qualer for Juntato, receninal light shows of hypling rain, Indurate buy with recommine put squally, moderate Rea. Quenin 30.33 Monis bealination of local might Examined and found to be correct.

LOG of the United States Ship Essex , 3 Rate, 6 Guns, Making parage from Anfolk va to Funchal Madeira Courses steered. Force. Height in inches. Ther. Air Ory Wet at surface. Direction. A. M. SEXE fog Com rein 6 P Aouble rufes to po ails . Sigh 3,40 1,2 53 47 16 5-7 begd " 2 " rape formail. Fortofiness 940 58 52 47 41 5-7 ", 2 ", etaped , main dry and 9 40 59 52 47 45 5-7 1. , 38 18 52 48/15 " I'm Some stay ail . 34,03 1, 40 v9 vo 46 hay ocq W. , to 60 514764 472,401252481.5 Legher " 4-6 2 9 42 1-2013 49 11 16/26 6xel 6 11 GNE , 43 6 c 52 48 hs 142 66 5249 45 4-6 , 42 /2 5351 " begl 1 40 95 75 52 14 119 knots 1 fathoms. Distance run by Log since preceding Noon 35 .32 M Latitude by D. R. at Noon 49 .30, 60 Longitude by D. R. at Noon 35 . 21. n Latitude by Observations at Noon ⊙ 48 .40 W Longitude by Chronometer from Forenoon Observations ⊙ Squa Current during the time knots fms. per hour, setting to the 785 Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth O observed at 288 gallons. Water expended during the preceding 24 hours 400 Water free during the preceding 24 hours 1722 " Water remaining on hand fit for use at Noon / tons 8/1 / lbs. Coal consumed during the preceding 24 hours 99 "1620" Coal remaining on hand at Noon 45 SEX & 3-5 2 34 3471 5 52 15 Me Single sugar Afrai + formail 88/28 3-61 , 02 7" 18 52 4. " lib, fore topment stay and 46 86 3-6 1/4,08 \$ 858 53 11 begk 1) som elagsail main bypail J11 82/28 36 1/403 17 18 54 15 1 Speuter, Took in Sit + ocgp 6x20 3-61/2, 05 1.8 58 54 1.5 , spanker at 3 Pm, Double origin beg ! 461/29 08 19 50 00 15 of Special for all for storm -886/26 3-51/2, 36/9/10, 55-61 " playsail, for topount 3-11/2, 3875 /11, 55 14 4 staysal + Main Try pail. Longitude by Chronometer from Afternoon Observations ⊙ Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

under the command of Commander ast mo Command Thursday Jany 19th, 1882 RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences wentet 4all, Wearton in the main pleasant, though aqually and drigging rain at times. Brug final from HE. Barmeter steady et 0 0.40. to no + 34 5. averio barrete at ent of watch 30.40, (gi) R Robert R Levelenaus ugs) Unsettles weather, wied variable & fitful, Occasional stiff equally and drigfing showers of rain. Barmeth nearly deady. Siftes a vesse or our weather bow, standing to ho 18°, Quenid barmeth at end of watch 30. 4"

Zentenant agar

Inm sam to Mende an blundy forecast greater four for alah, with heavy showers latter four. Third full agracy from 6 se to. Went to quarters or 9: It musteus the crow. Mended the press in Main deposite at 9.30. Amenia borometre 30.31.

Menidian to 4 mm (91) combrine Mo aster eight being from the please of hauling one to the points afor they there is to the finite afor the they booker in the accession of the property Jum 76, hauling our to, the finite about thew booking to 16 again. This willing early to morder ato sweet from deviction of wind, and shook one response of formate, the started of the Spenker, at 3 took in gibt Spanker.

America as been ofward 30, 32. (opposed Meelogy

Junitersant of June 4 to 1, Bu Menther orecase & squarly, Breagn stiff in squares from 62. See rough. Sweet from not 62. Ship labbring easily. at 5. me trook 22 rection to prails. The barmeter has been riving I slowly dury the world, and as out store 31,38. Amenis barometer so. 35. theather party clendy, with light equals from 60. Sea subsiding at end of watch. aumid 20.38 " Charles Res Limiterians uga Sum St. Moideright.

Clary, with passing phonen fut part. Eight breeze varying from 46 to 6, water occasional light squallo. Stopper districting at 10%. Varianied 30. 34. Waster up Morris dealenation local mid 14° 20' of Sast Quarter Examined and found to be correct.

under the command of Commander att Moormick , U. S. Navy, Friday Jany. 211 th, 18 8.2 RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commerce tuntit 4 ach, blear y flear aut, Light variable and from 6.1. Ship rolling early, to everel from deviction of would at 1.15 won ship to Me August And. Repend 30.512.

Route & the facer Jum 4 to 8 auc Com 4 to 8 acc. Barometer ring in height for 30 38, in frost hour of watch to 30 34 at cusof watch. Light airs poor 6 21 Er, Clouds Cins auculus + anis Observed a feire samboro, arching from the wester to the nontern fine of the horizon. ar 600 shook out are suefo, a sail reported from aloft of the (PH) R Robert Plantoand bow Lecileaant ya Eau to Mendian Weather clear after aut, Light breeze from 6. Long swell from no 46. Work ship or 5.00. Set topgoelant pails vapanter ar 8:00. Exercised or fine quarters at in solitary confinement for o days, on bread twater for insubordination. also assigned extra duties to R.b. Warrett (CB) R.G. Hung (CB) & JR Cotaw (ICB) for mining muster. at end of watch amind baraneter 30,24. Mecidian to 4Pm Pleasant weather. Light curdently bruge from 12 to the 6x 10. Moderate swell. at 12 crossed regals yours x set orgals, Flying Lib & Main Try pail, auenid 30.27. Master you 41. 8 Pm Clear opleasant light bruge from ME. hurret tea. as I mustered as quarters. aus topsails Fourais belge functe were overhaules offined in good audition.

ausin as end for alch 30. - 7. (ggs Nev Reellog)

Linker byen Meather clear the south Baronette steady Clouds come cumulus. Light heeze puns M Ex E. Les ometh. Ship steady . Stopped distituing. avanid 30.29. Leulewant light 8m to Modericht Cloudy with light driggling vain, Light bruge from 20°48. at end watch animal church 30.29 moon declination 9° 31 35 8 new moon Examined and found to be correct.

Longitude by Chronometer from Afternoon Observations ⊙	46.49, w
Longitude by Chronometer from Observations *	• , ,
Variation of the Compass by Amplitude observed at Sunset	• , ,
Variation of the Compass by at	. , ,,

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences secuted 4 Am blear search, bright starlight, Light muste ady breeze varying from 62 to 166. Long severe & ship rocking early. Borometer 34.26. I (050) Wordswine Master eyer From 4th Same

Com 4th dans
Clear opleasant, Light and four Sevent 5. Sound Sea. or 7.45 communed to shake
the refe out of the Topsails, anemied 30.27. Egs) Wheelogy
Limite and Type

Acacher generally pleasant. Breeze light in force & varying in direction from 6x20 to 686. Barmeter steady. Clouds currelles + reinters. ar 10'- cleves up the light sails brailes up spanster main trysail, harles down flying jis, & haules up foresail, bracing the yards above. ar 11'- files away on att tack & set foresail, aring barmeter 30.26. Lea omerate. Ship steady.

Meridian to 4 Proc.

Monidian to 4 Pour Mean to please out. Light passing chances their light + variable. How amount of fort toess or 1.15, & sex toppolant pails, variable + spanker. Barmeter facility at east of watch, areain phoned 311.24.

Cloudy realew. Smorth Sea., Went to quarters as 445 as 45 took a single ref in topails, furled regules oflying fit. at I bailed up Shawker, america 30.25.

blear veple as aut. Light airs from SE, Smooth Lear, Set main Ingrail. awind stews front 30.28.

(off) to Kellogy

Limber aut Upon

Heather clear spleasant, Light breez from SEt. SEx. Barmeter steady. Sea surver of water long sever from the Se Bright startists, tendered burneter 30.27 or ear of water. (490) R. Rohrer Liebenard 1960

Monis declination 4° 09 15 - 8

Examined and found to be correct.

Lieutenaux Navigator.

under the command of Commander at Mo Corneick, U. S. Navy, Sunday January 220, 1884. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences & with 4 and burge from no + 6 : Smooth Lea. Barrente facting slightly. Sost Frances overtrant by accident. as and finale Councid farment 30, 26. 1

(pf) CARRECK Lintenant your From 4 to Fair blear opleasaus. Light bruge ranging from SE to Sx & ar daylight shook renfo out of topsails. Set myals, flying jit thanker, and beauter 30,20. Master ugu Clear, delightful weather. Light bregg from SExS. Smooth Sea. at 900 mustered as quarter of the Coming officer wifesters the ship terew. By order of Coming officer wifesters the ship terew. By order of Coming officer Sis W Joses (108) was made a presion ar large for one day, and then to the confined for sdays on bread another for being asleep on lookout. Gunid 30.23. Mendean by Bru Heather clear Apleasant. Barometre steady. Clouds come Strates tecurelos. Sea smorts, Ship steady, aunis 30.24. Girk R. Rohner Limber ogn blev telemant, Light breeze pour SExS, Reefer depail at 5. Fulled Right to flying jib, and pet doppallant pails over single rufe, and 30.27.

Sentenant Mp.

Lientenant Mp. 41.1. Bu & to 8 Bm blear Aplearant, Light breze from SEx S. Smooth Sea. awaid 30.29. 8Pm to mideright. Clear Apleanant, Light hery from 86 x 8, Smooth Sea. as 11 45 passed a shawer bound to Mr. amin 30,28 (gg) Morelogy Similaring you 1. 22. 03 H Morris declination Thus nevow

Examined and found to be correct.

Sautenaux & Navigator.

Coal remaining on hand at Noon

Direction. Direct	Das	Lui	1	assage 1.	June .	ha	-	M	Da	de	en	ie.					
A. M. 1 # 0 6 1/4 26 3 3/4 3 19 19 14 11 11 10 5 Sulliph or from Some stations of the Courses by Amplitude © observed at Sunrise 1 # 0 6 1/4 26 3 3/4 3 19 14 14 14 14 15 6 Cai for the Course of the Course o		-			WINDS.			BAROME	TER.	TEN	IPERAT	URE.	Co. to Colo	T	lear ths.		
1 # 0 6 1/26 J 66 J 3 1/4 3 19 14 11 10 6 Ci	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.		Weather.	Clouds, by symbols.	Prop of C Sky, in 10	of the	Record of the sail the vessel is under at end of watch.
2 # J & S & J & W & 1 29 10 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A. M.			c/.	10.1		.,	,					,			,	
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5 # 6 6/2 SSE y /- 1, 30 hg hy 17 / 9 1, Short out out of the Compass by Amplitide Θ observed at Sunrise 7 # 6 # 5 # 6	3	4	5	-6/28	8x6	4	3/4	1 29	10	44	1,1	10	"	',	9	"	Johnsail Hanker Li
6 4 5 6 7 4 12 9 18 18 18 18 18 19 19 19 19 19 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	4	4	5	10	"	4	3/4	1 29	1.8	14	1,11	1,5	- "	'1	9	",	
Noon. 6 Distance run by Log since preceding Noon Latitude by D. R. at Noon Latitude by Observations at Noon ⊙ Longitude by Chronometer from Forenoon Observations ⊙ Current during the time / 7 knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise "" "" "" "" "" "" "" "" ""	5	4	6	6/2 8	SSE	4	1/2	1, 3,	19	1,4	59		d	,	10	",	
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9 6 0 1 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	7	5	5	"	7	4	1/4	1 30	49	1,5	1,11		"	,		',	regar oflying lib.
10 5 0 1 1 1 6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	6	4	.,	,	4	1/4	; 30	1.8	14	1."		,	,	8	1,	
Distance run by Log since preceding Noon Latitude by D. R. at Noon Longitude by Observations at Noon Longitude by Chronometer from Forenoon Observations Current during the time 17 knots — fms. per hour, setting to the Variation of the Compass by Amplitude © observed at Sunrise	9	6	0	',	1	4	1/2	, 30	1,5	1.4	1,1		,	,	8	7	
Noon. 6 4 , , , , , , , , , , , , , , , , , ,	10	5	0	,	,	4	1/2	. 28	1.7	1,4	100		,	,	9	"	
Distance run by Log since preceding Noon Gethoms. Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon © Longitude by Chronometer from Forenoon Observations © Current during the time '7 knots — fms. per hour, setting to the Variation of the Compass by Amplitude © observed at Sunrise "" Tunks Gethoms. 344	11	6	0	,	1	4	1/2	, 27	17	1,5	111		,	Cum	8	"	
Distance run by Log since preceding Noon [Autitude by D. R. at Noon [Autitude by D. R. at Noon [Autitude by Observations at Noon © [Autitude by Observations at Noon © [Autitude by Chronometer from Forenoon Observations © [Autitude by Chronometer from Forenoon Observation observat	Noon.	6	4	,	,	4	1/2	. 26	1)	10	1,,		"	"	8	",	
Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon ⊙ Longitude by Chronometer from Forenoon Observations ⊙ Current during the time 17 knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 34		Distar	ice ru	n by Log since pred	eding Noon								99				
Longitude by D. R. at Noon Latitude by Observations at Noon ⊙ Longitude by Chronometer from Forenoon Observations ⊙ Current during the time 17 knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise "" "" "" "" "" "" "" "" ""													,				r
Latitude by Observations at Noon ⊙ Longitude by Chronometer from Forenoon Observations ⊙ Current during the time ' / knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 35 02. " 6x 26 Variation of the Compass by Amplitude ⊙ observed at Sunrise													44	. 31	, ,	"es	-
Longitude by Chronometer from Forenoon Observations ⊙ Current during the time ' / knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise **The compass of the Compass of					oon ⊙								35	02	2:	"	E
Current during the time '7 knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise o '"						vations	0						44	//	,	" 6	w i
Variation of the Compass by Amplitude ⊙ observed at Sunrise • "								r, setting	to th	e				5x26			
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Variation of the Compass by Azimum C observed at														•	,	"	

93 " 185 "

Water expended during the preceding 24 hours 294 gallons. Water during the preceding 24 hours 2244 " Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours tons 2/00 lbs.

Р. М.																	
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Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

ast m Cormek under the command of Commander , U. S. Navy, Monday Janing 230 , 188% RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences tuntit 4 and Weather Clear office aut, Baroneter steady. Sea smooth. Enth bugs from SExS Linkwants you From 4 to 8 Brs Chartpleasants Mooderate buy from SSE. Smooth bea. Shork the rufe out of topsails ar 6.00 x made pail to orgals, a British back passed to unideras or 9.30 standing to N. + salutes by dipping her colors. Returner salute. Curici 30.28.

(31) CRRES Luiterant upw

Same to Moniti. 8am to MO quide an blear sevarns. Moderate truge from SSH. as 9: went to general quarters and exercised the creed. Second as 10: Second Did secroped offer grown, att side. avind barrelle 30.25. By order of Comog officer relieved Prosate Sevins from confimile (25) Wordswine (25) Wordswine Master Cyn Memdean 64 BM bleer deleghtfat weather. Moderate breeze from SSE, Smooth Sea. awared beaute 50. 25. Exercise Manizators Di fring with air june.

Suitemant agent 41. 1. Pm blear Apleasant weather, Baroneter steady. Clouds cerin anulus, circus and cumule. Moderater breze pour SE, at 4th mention at quarters, at 540 troke one sufair deposail, finles orgats offying fis. Distitly water. accounted 30.28 at eas of watch.

Leveline of Le 61.85ms Client folianant. Moderate bregg pour SEXS to Serich Amerilla a Comme lamente 30.27.

Limiter aux Upor & to Medni for lelear fut fact. Cluding over latter part, moderate breg pow St. moderate See, and ship pitching saidy, account to somether 30. 56. wordmone Market uger morn's declination 2802 20 Hew moon Examined and found to be correct.

Luitenaux +

LOG of the UNITED STATES Ship Essex

211	1 +	7 /	Maderia
Making	hassage In	Teuchat	Vadena

								(PTV)	T					1.	779	
our.	Knots.	38.	Courses steered.	WINDS.	1	. A.		TETER,	-	MPERAT	1	State of the Weather.	Forms of Clouds, by symbols.	of Clear in 10ths.	State of the	Record of the sail the vessel is under at end of watch.
		Fathoms		Direction.	Force.	Leeway	Height i	n Ther att'd	Dry Bulb.	Wet Bulb.	Water at surface.	by symbols.	symbols.	Prop o Sky, in	Sea.	at the of which.
M.																
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			by D. R. at Noon										3003		"	
			Observations at No										20 . 39		" 2	
1	ongi	tude i	by Chronometer from	m Forenoon Obser	vations	3 0						4	0 09		"	
,	7	. 3		1		,										
			f the Compass by A				r, settin	g to th	ne				0	,	"	
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1	Variat Variat Vater	tion of expe	f the Compass by A f the Compass by A nded during the pro	Amplitude © observe eceding 24 hours during the pro	ved at	Sunri 8 a	ise	g to th	ne			2	293	gal	" lons.	
1	Variat Variat Vater Vater	tion of expe	f the Compass by A nded during the procession on hand fit for	Amplitude © observe eceding 24 hours during the pro	ved at	Sunri 8 a	ise	g to th	ne			2	293	gal	" dons.	
1	Variate Vater Water Water Coal of	experience	f the Compass by A nded during the pre-	Amplitude © observe ecceding 24 hours during the pro- or use at Noon ecding 24 hours	ved at	Sunri 8 a	ise	g to th	ne			2 3 1 1	293	gal	lons.	
,	Variate Vater Water Water Coal of	experience	f the Compass by A nded during the procession on hand fit for	Amplitude © observe ecceding 24 hours during the pro- or use at Noon ecding 24 hours	ved at	Sunri 8 a	ise	g to th	ne			2 3 1 1	293 400 351	gal	lons.	
	Variate Vater Water Water Coal of	experience	f the Compass by A nded during the pre- aining on hand fit for ned during the preceding on hand at Noor	Amplitude © observe ecceding 24 hours during the pro- or use at Noon ecding 24 hours	ved at	Sunri 8 a	ise	g to th	ae			2 3 1 1	293 400 351	gal	lons.	
	Variate Vater Water Water Coal of	experience	f the Compass by A nded during the pre-	Amplitude © observe ecceding 24 hours during the pro- or use at Noon ecding 24 hours	ved at	Sunr. 8 a	ise			h		2 3 1 1	293 400 351	gal	lons.	
M. M.	Variativater Vater Water Water Coal c	tion of expe	f the Compass by A nded during the pre- aining on hand fit for ned during the preceding on hand at Noor	Amplitude © observe ecceding 24 hours during the pro- or use at Noon ecding 24 hours	ved at d at	Sunr. 8 a	ours	18	114	00000		2 3 1 1 9 9 1	293 400 35, ons/50	gal	lons.	
M. 1	Variate Vater Vater Vater Coal of Coal 1	expe	f the Compass by A nded during the pre- aining on hand fit for ned during the preceding on hand at Noor	Amplitude © observe ecceding 24 hours during the pro- or use at Noon ecding 24 hours	ved at d at	Sunr. 8 a	ours 3, 27	18	114	00000		2 3 1 1 9 9 1	293 400 351 ons/50 " 811	gal	lbs.	
M. 1 2	Variate Vater Water Water Coal of Coal	expe	f the Compass by A finded during the processor wining on hand fit for med during the preceding on hand at Noor ESE/LE	Amplitude © observed a control of the property	ved at d at ecceding	Sunr. 8 a	3, 27	18 18	1,4	11		200 ye	293 400 351 00s/50 " 811	gal	lbs.	
M. 1 2 3	Variativa	experience remain	f the Compass by A nded during the pre- ceived aining on hand fit for med during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding the preced	Amplitude © observed a control of the property	ved at d at ecceding	Sunr. 8 a	3, 27, 26, 27, 26, 27, 28	18 18	14 44 43 112	41 40		200 ye	293 400 351 0018/50 " St	gal	lbs.	
M. 1 2 3 4	Variativa	experience of the consumer of	f the Compass by A nded during the precedured aining on hand fit for med during the preceding on hand at Noor ESE/LE	Amplitude © observed a control of the property	ved at d at eccding	Sunr. 8 a	3, 27, 26, 27, 26, 27, 28	18 18 19 19	14 43 112 113	41 4n hn		23 1 91 4c ocr	293 400 35-1 0008/50 " 811 Cui Nuin "	gal	lbs.	Janu
M. 1 2 3 4 5	Variativa	experience of the consumer of	f the Compass by A nded during the precedured aining on hand fit for med during the preceding on hand at Noor ESE/LE	Amplitude © observed a control of the property	ved at d at ecceding	Sunr. 8 a	3, 27 , 26 , 28 , 28	18 19 19 19 19	114 114 113 112	11 10 ho		23 1 91 4c ocr	293 400 351 000 / 50	gal () () () () () () ()	lbs.	Janu
M. 1 2 3 4 5 6 7	Variativa	experience of the second of th	f the Compass by A nded during the precedured aining on hand fit for med during the preceding on hand at Noor ESE/LE	Amplitude © observed a control of the property	ved at d at ecceding	Sunr. 8 a	3, 27 , 26 , 28 , 28	18 18 19 19 19 19 19	14 44 13 12 13 14 2 13	ho ho ho		200 y 200 och 1	293 400 351 0008/50 4000 4000 4000 4000 4000 4000 4000 4	gal () () () () () () () () () (lbs.	Sauce for themast &
M. 1 2 3 4 5 6 7	Variativa	experience of the second of th	f the Compass by A nded during the processor wining on hand fit for ned during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding of t	Amplitude © observed a caring the property of use at Noon seeding 24 hours on Seeding	ved at d at ecceding	Sunr 8 a 24 h	3, 27 , 26 , 28 , 28 , 28	18 19 19 19 19 19	1,4 h3 h2 h3 h2 h3	11 ha ha ha		gi gi	293 400 351 0008/50 4000 4000 4000 4000 4000 4000 4000 4	gal (1) 0 0 3 7 3 0 5	lbs.	Sauce for themast &
M. 1 2 3 4 5 6 7 8 9	Variativa	cexperiments of the second of	f the Compass by A nded during the processor wining on hand fit for ned during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding of t	Amplitude O observed a second 24 hours during the proof use at Noon seeding 24 hours on	ved at d at ecceding	Sunr 8 a 24 h	3, 27 , 26 , 28 , 28 , 28 , 28 , 28 , 28 , 29 , 29	18 19 19 10 19 70 10	114 hy h3 h2 h3 h2 h3	11 10 ho ho ho		gi gi	293 400 35-1 0008/50 " 811 Ci hui	gal (1) 0 0 3 7 3 0 5	// lons. // // // // // // // // // // // // // // // // // //	Sauce Hauled down for Howker Gail, Hailes of Howker Grani Trypail,
M. 1 2 3 4 5 6 7 8	Variativa	cxpe cxpe cxpe crema consur consu	f the Compass by A nded during the processor wining on hand fit for ned during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding on hand at Noor Compass by A nded during the preceding of t	Amplitude © observed a caring the property of use at Noon seeding 24 hours on Seeding	ved at d at ecceding	Sunr 8 a 24 h	3, 27, 26, 28, 28, 30, 700, 20	18 19 19 10 19 70 10	114 hy h3 h2 h3 h2 h3	11 10 ho ho ho		gi gi	293 400 35-1 ons 156 " Ci heir " " " " " " " " " " " " " " " " " " "	gal (10037303)	// lons. () () () () () () () (Same hauled down for Hower & sail, Hailes of Hawker Grain Trypail,
M. 1 2 3 4 5 6 7 8 9 10	Variativa	cemperature of the second of t	f the Compass by A nded during the preceding on hand fit for med during the preceding on hand at Noon the following of the following on hand at Noon the fol	Amplitude © observed a second 24 hours during the properties on Second 24 hours on Second 25 hours on Second 26 hours on Second 26 hours on Second 27 hours on Second 27 hours on Second 27 hours on Second 28 hours on Second 29 hours on Second	ved at d at ecceding	Sunr 8 a 24 h	3, 27 , 26 , 28 , 28 , 28 , 28 , 28 , 28 , 29 , 29	18 19 19 70 19 70 70	14 hy h3 h2 h3 h2 h3	11 10 ho ho ho ho ho ho		gi gi	293 400 351 000 /50 00	gal (10037303)	// lons. () () () () () () () (Sauce hauled down for thomash of spanker by pail, thails of spanker by pail, but Spanker , Main Try pail

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by Ozimuth at 4 Pm

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22 0 ,

under the command of Commander at M Corneck , U. S. Navy, Dueso ay Jany 24th, 188%. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences suntit yarr, blear + pleasant, Bright starlight, Moderate truy from S. Smooth Real, Some making 2010, 30 turns, Quenia 20, 28. 4th. fans Neather clear pleasour. Barmeter steady. Moderate breeze from Sx W to Sx &. Sanding to x + x. Distituy water. anemid bournette ar ening water 20. 27. Cena ming to uniderand spoosing to learned. Changed commen to ESE/ 6 at x6", by order of Comon of Robert Leulinaut y 8 aut mindiar heather alondy the so aut. Moderato breze from S. Borometer steady. Son onto Sea. Masters et quaters et 9", and exercis 1 Dis or Sin Pirot, 2' Dis at Snight striks + 3º4 Ponda Dies at Small ano. Cleaning than ting troadside gues & moning off and deficial Kalliands, award 30.25. Steering a course 656/ 6 gr) brikeles Limberaux eyes Meridiai to 4 Pm Clandy with light rain shows occasionaly on 22 took in orgale oflying fit to a squal. Exercises 1st Dis at fining at a target with an gue. 2. Dis employed in series after gun port ride. accenia ar end ofevalate 20.27. Eyr unimin maater uger 41.6 Bm Cloudy mied pleasant, Light ranable breze from SxW to, Sx & Amorth Sea. Observed monthlight after puiset. at 4.45 mustand at quarties, at 5.00 took single ruf in Johnails + set Infgallant pails ever them. Gumi 30. 28. Westelling. Limiterant ages lita Stri Keather pleasant in first hour of watch. Squally + wet in latter fair. ar 7 20 the wind Came out Jun 8t. Brace in the good by the Sto brace & hailes up spanker & main by sail I havele dinn for topmal staysail. anni 30. 28. Distitling evalu. Gokik Rohren Lieutewant lyer 8th moidnight. ely pleasans, bur with indications of agly weather Barmete fulling Heavy dank clinds cerving from SSW. Mer for topment stay sail, main trysail + Spanker at 8.30 Steining a course & Ste. annie 30. 21 Linkerans Ugu morn's declination = 11 17 50 20

Examined and found to be correct.

Literaux Navigator.

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

3 Rate, Guns,

Making passage from Norfack Vat. Funchal Mo adura.

	1				WINDS.			BAROME	TER.	TEM	PERAT	URE.			lear ths.	C	
Hom	r. I	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surfaçe.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M		1,		ESE.	884	4		3, 20	1,8	114	12		oc	ai din	0	ne	
2		5	6	7	"	4		" 19	1,5	14	13		to	Cun	7	7	
3		5	6	7	,	4		1 15	1,5	14	1,3		"	. "	5	7	
4		5	6	1	,	4		7 12	105	1.4	1.3		,	"	2	"	Ruga Jofgt. pails, lit,
5		6	6	"	,	5		. 13	15	1.4	1.4			Cen him	3		Playail . M. Lysail , fregain
6		6	4	,		5		, 15	15	1.3	1,3		',	Ci sto	3	,	
7		7		,	,	5		, 15			10000		7	Ci Cu	3	.,	Plain pail to Jufft pails
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11		6	5	- ",	,	y		, 11				_	.,	,	1	"	
Noo		6	5	"		4				1000	1,2		ocyv	him	0	"	JoKai Top 48 pails
	1								-				,	/	ter	1	

141 knots 3 fathom Distance run by Log since preceding Noon Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon O Longitude by Chronometer from Forenoon Observations ⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Fauw 293 Water expended during the preceding 24 hours 800 Water leauved during the preceding 24 hours 2858 Water remaining on hand fit for use at Noon / tons 1860 lbs.

89 "1245"

3, 07 hg 13 hin ocgp huit 21 x S 45 11 05 10 h3 h11

21 x S 45 11 05 hg h3 h1

1, 00 1,8 h4 h1

21 x W 4 10 hg h2 h1

1, 00 h8 h3 h1

21 w 108 h8 h2 h1 1, 0 ocgN 0 4 ocqd ocd 1 09 49 82111 0 10 0 0 11 Mid. 0

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at Sunset Variation of the Compass by

Wednesday Jany 25, 18 89 under the command of Commander ast no Comments RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences dentil 4 and, Phasant weather First bregg from SSW. moderate has at I hailed up spanker. anemis barrenter 30.17. (gr) ambroin Monter uga From 4 to falle Clardy, pleasant, Frush bregge from SSW, as 600 shook rufo out of Topo wills. auchie 30.16 Linkwant ys From Str. Mo pridian Weather generally pleasant, though wet + threating last par of water arg's musteur + infected ones ar quarters, Drilled 1 Dis ar Senall ams 2° ar Jumeny 3'as Suglo sticks. Porode sis or Sugle sticks, and the manier or Small ams. at 12 standing to x of the By order of Com of officer low Simpson 11 ars) has extra dily from none of this day, antil noon of 28 int, and is to stand one look out or wheel in each day watch, pegular lookout as night, and stand on quarter deck in night watch offens (Jo) & Rober Suffer putil 8Pm. Timber and you Meindian Tu 4 Pm Cloudy + Equally, Wind haveling from SSW to wisw. Barmeter faeling. Or 240 took in fore Affinal stagial, and Main Impail, + trook two wefs in the Soposies, and of enigle nefin foresail, to a very eight looking equal from U. account 30.0%, Steering a course & SE 41.1. Pm County, rawy, Asquaely, Freel heey from who, hauling to W new, moderate lea.

Gund sough.

(ogs) worshim

Master uga blody, raining find half how fronth, blaining weather rumande, but ha. Light breze four X N X D, avenid steady 30,09 dr end fronth.

Limited type 8th Moid. Weather squally + consitted, Baronceler facting. Breeze guithe to find, saying an direction from nx H to 11x6. at 10 took in Afales toppaelant pails, took second suf his objection, our keepin forwail, bear for plooner playear and it it thanks dum televed foretopment playear. But up the preventer braces, ar 11 - Righted a light 2 finite on from town and for toppaelar sail.

and raw If to clear it, at 8" shook out out of toppails & foresail, and set toppallars sail.

(go) Rothber. Sintenant yell Moris dealination = 15 14 50 20

Examined and found to be correct.

Limiterians + Navigator.

LOG of the UNITED STATES Ship Essex

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

				WINDS.			BAROM	ETER.	TE	IPERATI	JRE.	St. to of the	Forms of	Hear ths.	State	
er.	Knots.	Fathoms.	Courses steered.	Direction.	Force	Leeway.	Height in inches.	Ther.		Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	
M.			esw													
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5		2		,	5-7	1,7/	1000	13	1	55		ocq	"	0	1	
6	3	8	1	9	5-7	1	" "		1,,			1		0	1	Ser main Trypail
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3	3	6	,		4.8	1	1/2	,	6"	u		,	,	0	"	
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1	4	6	000.	Ux6	4		7 20		59	24		1	"	0		playpail, Sib am
on.	4	4	,	4	4		" 19	1	1			"	,		"	dof Get oails.
													1	ten	th	
)	Distar	nce ru	an by Log since pre-	ceding Noon									knots "	fath		
1	Latitu	de by	y D. R. at Noon									35			"	
I	ongi	tude	by D. R. at Noon									35			"11	
I	atitu	de by	Observations at N	00n O									2,			U
	oneit	tude i	by Chronometer fro	m Formon Obser	vetion	80						34	4.	2,	" 6	W
1	ongn		by chronometer no	in Forenoon Obser	Vacion											
			ring the time				ur, setting	g to th	е							
(Curren	nt du		knots	fms. po	er hou		g to th	е					,	"	
(Current Variat	nt du	ring the time	knots f	fms. po	Sun	rise	g to th	e			2		,	"	W
(Current Variat	nt du	ring the time of the Compass by A	knots f Amplitude ⊙ observe	fms. po	Sun	rise	g to th	e			2	· 293	gal	" lons.	W
7	Current Variat	tion o	ring the time of the Compass by A	knots f Amplitude ⊙ observe	fms. po	Suni Suni	rise	g to th	e			2				W
7	Current Variat Vater Vater	nt du	ring the time of the Compass by A of the Compass by A ended during the pre	knots f Amplitude ⊙ observe azimuth ⊙ observe ecceding 24 hours during the pro	fms. po	Suni Suni	rise	g to th	e					,	lons.	eV.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Variat Variat Vater Vater	tion of expe	ring the time of the Compass by A	knots of Amplitude ⊙ observed azimuth ⊙ observed eceding 24 hours during the preparation use at Noon	fms. po	Suni Suni	rise	g to th	e			25	293		lons.	W
()	Variat Vater Vater Vater Vater Coal c	tion of experience	ring the time of the Compass by A of the Compass by A ended during the pre aining on hand fit fo	knots of Amplitude of observe eceding 24 hours during the proof use at Noon eceding 24 hours	fms. po	Suni Suni	rise	g to th	e			25	293	60	lons.	
()	Variat Vater Vater Vater Vater Coal c	tion of experience	ring the time of the Compass by A of the Compass by A ended during the pre aining on hand fit fo	knots of Amplitude of observe eceding 24 hours during the proof use at Noon eceding 24 hours	fms. po	Suni Suni	rise	g to th	e			25	293	60	lons.	
	Variat Vater Vater Vater Vater Coal c	tion of experience	ring the time of the Compass by A of the Compass by A ended during the pre aining on hand fit fo	knots of Amplitude of observe eceding 24 hours during the proof use at Noon eceding 24 hours	fms. po	Suni Suni	rise	g to th	e			25	293	60	lons.	
() 1 1 1 1 () () () () () () ()	Variat Vater Vater Vater Vater Coal c	tion of experience	ring the time of the Compass by A of the Compass by A ended during the pre aining on hand fit fo	knots of Amplitude of observe eceding 24 hours during the proof use at Noon eceding 24 hours	fms. po	Suni Suni	nours		1,7	50		25	293	60	lons.	Daere
() () () () () () () () () ()	Current Variativ	nt du tion o expe	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit fo med during the prec ning on hand at No	knots famplitude ⊙ observed a complitude ⊙ observed ecceding 24 hours during the proof use at Noon ceding 24 hours on	fms. po	Suni Suni	ours 19	75				25	293 1,5 000s 1,1 " 58	5	lons.	
M. 1	Current Variation Vater Vater Vater Vater Coal coal coal r	nt du tion o expe	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No.	knots famplitude ⊙ observed a complitude ⊙ observed ecceding 24 hours during the proof use at Noon ceding 24 hours on	fms. po	Suni Suni	nours	75	1,59			25	293 1,5 0008 1,1 1,5 1,1 1,1 1,1	5	lbs.	
M. 1	Current Variation Value Vater Vater Vater Vater Coal e Coal r	nt du tion o expe	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No. SEXE/2E SEXE/2E	knots Amplitude ⊙ observe coding 24 hours during the proof use at Noon coding 24 hours on	fms. po	Suni Suni	30 19 9 18	75 73 75	1,59	24		25 88 och 1	293 1,5- 0018 1,	5	lbs.	
M. 1	Current Variativ	remain	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No SEXE/2E SEXE/2E SEXE/2E	knots Amplitude ⊙ observe coding 24 hours during the proof use at Noon coding 24 hours on	fms. po	Suni Suni	30 19 9 18 9 18 9 19	75 73 75	1,59	54		25 88 0ch	293 1,5 0008 1,1 1,5 1,1 1,1 1,1	00000	lbs.	
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M. 11 22 33 11 55 66 77	Current Variation Variation Value Vater Vater Vater Coal coal coal coal coal coal coal coal c	remain	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No SEXE/2E SEXE/2E SEXE/2E SEXE/2E	knots Amplitude ⊙ observe ceding 24 hours during the preor use at Noon ceding 24 hours on	fms. po	Suni Suni	30 19 9 18 9 18 9 19 9 20 9 21	75 73 75 75 75 70	1,59 1,59 59	54 54 54 54		25 88 04 "	293 /15- 0018 11 11 11 11 11 11 11 11 11 11 11 11 1	000000000000000000000000000000000000000	lbs.	
M. 1 2 3 3 1 1 5 5 8 8 7 7 8 8	Current Variation Variation Value Vater Va	remainded to the consumer of t	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No SEXE/E SEX	knots Amplitude ⊙ observe carinuth ⊙ observe eceding 24 hours during the proof use at Noon ceding 24 hours on	fms. po	Sunn 8 ac	30 19 9 18 9 18 9 19 9 20 9 23 9 23	75 73 75 75 70 70	1,59 1,9 59 57 7	54 54 54 56 55		25 88 04 "	293 /15- 0018 11 11 11 11 11 11 11 11 11 11 11 11 1	000000000000000000000000000000000000000	lbs. "	
M. 11 22 33 11 55 66 77 88 99	Current Variation Variation Value Vater Va	remain	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No SEXE/4E SEXE/4E SEXE/4E	knots Amplitude ⊙ observe carinuth ⊙ observe eceding 24 hours during the proof use at Noon ceding 24 hours on	fms. po	Sunn 8 ac	30 19 9 18 9 18 9 19 9 20 9 21	75 73 75 75 70 70	1,59 1,59 59	54 54 54 54		25 88 04 "	293 /15- 0018 11 11 11 11 11 11 11 11 11 11 11 11 1	000000000000000000000000000000000000000	lbs.	
M. 11 12 33 11 15 5 66 77 18 8 99 00	Current Variation Value Vater Vater Vater Coal coal r	remaint du consultation of experimental of the consultation of the	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No SEXE/LE SEX	knots Amplitude ⊙ observe carinuth ⊙ observe eceding 24 hours during the proof use at Noon ceding 24 hours on	fms. po	Sunn 8 ac	30 19 9 18 9 18 9 19 9 20 9 23 9 23	75 73 75 75 70 70	1,59 1,9 59 57 7	54 54 54 56 55		25 88 04 "	293 /15- 0018 11 11 11 11 11 11 11 11 11 11 11 11 1	000000000	lbs. " " " " " " " " " " " " " " " " " " "	
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M. 11 12 33 11 15 5 66 77 18 8 99 00	Current Variation Value Vater Vater Vater Coal coal r	remaint du consultation of experimental of the consultation of the	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No SEXE/LE SEX	knots Amplitude ⊙ observe carinuth ⊙ observe eceding 24 hours during the proof use at Noon ceding 24 hours on	fms. powed at dat ecceding	Sunn 8 ac	30 19 9 18 9 18 9 19 9 20 9 23 9 23	75 75 75 70 70 70 69	1,59 1,99 57 777	54 54 55 58		25 88 och " "och och och	293 1,5- 0008 1,5- 1,5- 1,5- 1,5- 1,5- 1,5- 1,5- 1,5-	000000000	lbs. " 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
M. 11 22 33 11 55 66 77 78 8 99 00 11	Current Variation Variation Value Vater Va	remain of the second of the se	ring the time of the Compass by A of the Compass by A ended during the pre- aining on hand fit for med during the prec ning on hand at No SEXE/LE SEX	Amplitude © observed a complitude © observed a complete property of the proper	fms. powed at dat ecceding	Sunn 8 ac	30 19 9 18 9 18 9 19 9 20 9 23 9 23 9 25 9 25	75 73 75 75 70 70 70 69	1000000000000000000000000000000000000	54 54 55 58		25 88 och " "och och och	293 15 1.5 0018 " 58 Min 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	000000000	lbs. " 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

under the command of Commander at M Corneak , U. S. Navy, Thursday Jan 26, 1882. Connences funtil of Am vercant Asqually. Which blowing a moderate gate from note to now how to be puring rough. Barnelie steady. accounted 30.10, at 12.00 wore round on pto toek to dear a nessel crossing our bow. wow back at 1225. Steering a course ESE.

(ap) BRERED Limiterants Type

4th 8am Grante Cleany, Would moderating. Squart becoming less frequent trust as atrong. Sor main Trypail ar 6. Quent baronetter 30.17. (ago) common mois months. moasta vyu Saw to Mendian Clear cloudy, George weather. Mode ato brey from it it 6, having occasionally out of dopails of fensail. Set tofgallant pails, Jis, & for topon al tay al . as go munturo and confectes at quarters, Exercised Mangators +1st Dis ar Single stick 2. Dis + Manins ar Small arms and 3° Dis at gran grow, and 30.16. Mendian To 4 Pm Weather generally pleas out though orescent, + several light faring shows.

July to lay sweet from no. account 30.17. (egg) & Robins

Lintender Ugu

4th Box 6 Obreat & generally pleas aut. Light airs from Ent. 6x26. Sourch Sea. Shork the rufe out of the Ispo ails or 4.30. rebeur the sails + tross a single reef. Ser the topgaelaun sails. Frokin main Inyail. avenue 30.20 Ist. 809w Cludy, the time, wind continues from Some direction, for light and welltady. Queind 30.20 (00) will Immi Master uper 8 P. m to Mide glet. Elear, cloudy, pleas out. Moderate brege per 26 &, occaning hauling ahead but returning to original deviation, Survet Sea. Obscured montiffer, Quenid. In. 22. Sand detaches + revolving from 12 to 17 lines. (of to Kelly) Timberant ogen 18 26 26 movins declination Examined and found to be correct.

Luciennes & Navigator.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear Sths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Washan	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																,
1	5	5	686	une	4		3,2,	10	57	54		de	Cu hin	1	ne	Surpeney o Top at Tople
2	1.	"	86x 6/26	26	4		" 1,	1,5	57	54		oca	Bira	0	"	sail, main Trypail, for
3	1,	5	686	26x 26	4		" 10	1.4	57	54		ocq	"	0	"	Topocat staypart
4	6	0	. ,	ne	4		, 20	1.4	59	54		ocap	,	0	"	
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6			SEx 63/46	,	45		, 20	75	59	55		"	,	0	,	Shoot sup out of
7	5	2	"	,	4-5	-	, 22	75	59	55		,	,	0	4	Tofrails,
8	5	0	86/26	76 6x 6	4.5	-	, 24	75	59	06			,	0	"	
9	5	-0	86x8	Ex6	×		, 27	75	58	54		ocq	,	0	4	
10	_		86/28	,	4-5	-	, 30				178.518	"	,	0	4	
11			86x 8		4-5	-	, 27	70	60	55	-	,	,	0	,	
Noon.	10000		86x6/26	20€	4		, 27	-			-	,	,	0	"	

108 knots / fathoms Distance run by Log since preceding Noon Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon ⊙ Longitude by Chronometer from Forenoon Observations ⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Water expended during the preceding 24 hours during the preceding 24 hours Water Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours Coal remaining on hand at Noon

Р. М.														
1	4	0	86x6	16	5	31,21,	17	111	5	ø c	Zuin	0	n	Same
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			16	,	5	11 24		1000000		7	1	0	7	Frok in Toppet pail
4	6	0	86/2€	,	4-6					00%				
			86		5	7 25				"		_		Took sigh my in Topich
			SEX 8	En6	5					,	,	0	"	
			86/28	"		1 , 28				,				ber Hypelast sail
	1000		886% 6	Ex x6		1- , 28				beg				+ main drypail
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Mid.	6	0	,	,	5	1/2 11 22	1,5	1,,,	5	1	,			

Friday January 27 t, 18 8%. under the command of Commander att m Connick RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences tuntil, 4 ach. Weather goverally pleas aut. Baronete steady. Moderate Lea. Ship volving spetching saily. Clouds cerins & minters, amont baronete 30.21. (1898) K. Rohrer Similarans ugu Concert requally. Banneter vising, Short reefs out of topsails as 6:5. accord
barneter 30:25 de Lieutenaux agus Cloudy + Squally. Moderate breze from E & E, hauling to 216, & getting steaders. Broker our for hold, Cleaned bilges, & restand for hold & fire peak. Passes a British str. standing to no 400 Made our Setemational sumber in repl, to her sumber. St., Muidian (og wondmin Master ugu Mendian to 4 Bm Clary Gloring, Light shower of rain frier hour quated. Sliff heave from UE to Ent. Ponder Dis at tayer practice with air your, Everhaulo forward bilge fumps of from them in good condition. On 3.20 trok in the topgalant sails.

Quenid 30.25. Smooth Sea. Cleaned bilges (pp) Wheelogy

Licilarant Upon Heacher pleasaur but cloudy, Baronete steady, henites clouds, Fruch buege from 16 to Ene . Moderate Sea., at 4 4 must be and at quarters, at 4 12 took one restin the Tops ails, award 30.27. (gr) K. Rother Lintenant ofer Cludy Aplearaux. Light to moderate heeze for Ex 26. Suevel ha Bornstele rising, det doppallant pail + main Ingrail ex 6. =, anen à 30.27 Som to Midnights
Clark Hood, Fresh breze pour Ex 26. Moderate Sea Baronette
facting. America 30.24. (gr) Wombrissin
Mailie agen Moris declination 20. 41 26 Frist Qualit Examined and found to be correct. Quillurant & Navigator.

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				WINDS.			BAROMI	TER.	TEM	PERAT	URE.	State of the	Forme of	Hear the.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is unde at end of watch.
. M.	5	•	886/16	Ern	5		3,25	13	1			0-	Cihini	0	e	Sand
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			, ,	l' N								113		20 100	who	
			n by Log since pre	ceding Noon								109	knots 3		oms.	
			D. R. at Noon										1, 030		,,e	
			by D. R. at Noon									3				v
,	atitu	de by	Observations at N	oon O											"	
												7				4.
			oy Chronometer fro	m Forenoon Obser								3	1 . 09	7'	" (
(Curre	nt du	ring the time	m Forenoon Obser knots	fms. pe	er hou	r, setting	to th	e			3				
,	Ourre Variat	nt du	ring the time f the Compass by A	om Forenoon Obser knots Amplitude ⊙ obser	fms. perved at	er hou	ise	to th	e					7'	"	
,	Curre Variat	nt du	ring the time f the Compass by A f the Compass by A	om Forenoon Obser knots Amplitude ⊙ observe Azimuth ⊙ observe	fms. perved at	er hou	ise	to th	e					,	" (ev
,	Ourre Variat Variat Vater	nt du	ring the time f the Compass by A	knots Amplitude ⊙ observed azimuth ⊙ observed eceding 24 hours	fms. perved at	Sunr Sunr	ise	to th	e					,	"	
,	Curre Variat	nt du	ring the time f the Compass by A f the Compass by A	om Forenoon Obser knots Amplitude ⊙ observe Azimuth ⊙ observe	fms. perved at	Sunr Sunr	ise	to th	e			-	210	gal	" (
,	Ourre Variat Vater Vater	nt du	ring the time f the Compass by A f the Compass by A	knots Amplitude ⊙ observed Azimuth ⊙ observed ecceding 24 hours during the presented	fms. perved at	Sunr Sunr	ise	to th	e			-		gal	" dlons.	
,	Variat Variat Vater Vater Vater	nt du	ring the time f the Compass by A f the Compass by A nded during the pr	knots Amplitude © observed azimuth © observed ecceding 24 hours during the prefor use at Noon	fms. perved at	Sunr Sunr	ise	to th	е				21. 288 989	gal	lons.	
	Variat Variat Vater Vater Water	tion of consumer cons	ring the time f the Compass by A f the Compass by A nded during the pr aining on hand fit f	knots Amplitude observed ecceding 24 hours during the proof or use at Noon ceding 24 hours	fms. perved at	Sunr Sunr	ise	to th	e				288	gal	lons.	
(((Variat Variat Vater Vater Water	tion of consumer cons	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre-	knots Amplitude observed ecceding 24 hours during the proof or use at Noon ceding 24 hours	fms. perved at	Sunr Sunr	ise	to th	е				21. 288 989	gal	"" llons. "" lbs.	
M.	Currer Variat Vater Vater Water Water	tion of consumer cons	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre-	knots Amplitude observed ecceding 24 hours during the proof or use at Noon ceding 24 hours	fms. perved at	Sunr Sunr Surr Surr Surr Surr Surr Surr	ise			J.X.			21. 288 989	gal	lons.	
M.	Currer Variat Vater Vater Water Water	nt du tion o expe	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre-	knots Amplitude observed ecceding 24 hours during the proof or use at Noon ceding 24 hours	fms. perved at	Sunr Sunr Surr Surr Surr Surr Surr Surr	oours			2x			210 288 989 cons 16	gal	"" llons. "" lbs.	
M. 1	Current Variation Variation Vater Va	nt du tion o expe	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre- ning on hand at No	knots Amplitude observed deceding 24 hours during the proof or use at Noon ceding 24 hours on	fms. perved at	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16		hu	2000		86 be	2 8 8 9 8 9 9 9 9 000 16	gal	lbs.	
M. 1 2 3	Current Variate Variate Vater Vater Vater Vater Coal of Coal 1	remaint du	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre- ning on hand at No	knots Amplitude observed deceding 24 hours during the proof or use at Noon ceding 24 hours on	fms. perved at ed at	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16	1,5	hu	24		86 '4	2 / 8 8 2 8 8 9 8 9 9 9 9 9 Cur Cui	gal 65 5 9	lbs.	
M. 1 2 3 4	Variativater Vater	remaint du	ring the time f the Compass by A f the Compass by A nded during the pr aining on hand fit f med during the pre ning on hand at No	knots Amplitude O observed azimuth O observed eceding 24 hours during the proof or use at Noon ceding 24 hours on	fms. perved at ed at	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16, 17	1,5	hy	24		86 '4	2/0 288 989 cons 16. "110 Cin	gal 8 9 9	"" (dons. "" "" "" "" "" "" "" "" "" "" "" "" ""	Brails of Main
M. 1 2 3 4	Variativater Vater	remaint du	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre- ning on hand at No	Amplitude observed azimuth observed eceding 24 hours during the proof or use at Noon ceding 24 hours on	fms. perved at ed at ecceding	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16, 17, 18	1,5 h5 h5	hu hu hu	est st		86 '4	2/0 288 989 cons 16. "110 Cin	gal 8 9 9 9	"" (dons. "" "" "" "" "" "" "" "" "" "" "" "" ""	Brails of Main
M. 1 2 3 4 5	Variativater Vater	remaint du	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre- ning on hand at No	Amplitude observed azimuth observed eceding 24 hours during the proof or use at Noon ceding 24 hours on	fms. porved at ed at ecceding	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16, 17, 18, 18	1,5 h5 h5	hu hu hu	est st		86 '4	2 8 8 9 8 9 9 9 9 000 16 " 11 10 Cir	gal 8 9 9 9 9 9	"" (dons. "" "" "" "" "" "" "" "" "" "" "" "" ""	Brails of Main Trypail. Single outs Topsail
M. 1 2 3 4 5 6	Variativater Vater	remaint du consultation of experimental de consultation of exp	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre- ning on hand at No	Amplitude observed azimuth observed eceding 24 hours during the proof or use at Noon ceding 24 hours on	fms. porved at ed at ecceding	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16 1, 17 1, 18 1, 18	1,5 1,5 1,5 1,5 1,5 1,5 1,5	hu hu hu ha	22 22 24 24		86 '4	2 / 8 8 2 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	gal 8 9 9 9 9 9 9 9 9 9	" " (lons. " " " " " " " " " " " " " " " " " " "	Brails of Main Trypail. Single outs Topsail
M. 1 2 3 4 5 6 7	Current Variativ	remaint du consultation of experimental expe	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre- ning on hand at No SSE " " " " " " " " " " " " " " " " "	Amplitude observed a during the proof of use at Noon ceding 24 hours from the control of the con	fms. porved at ed at ecceding	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16 7 17 7 18 7 18 7 18	1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5	10 hou hou ho ho ho ho	22 22 24 24		86 '4	2 / 8 8 2 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	gal 8 9 9 9 9 9 9 10	" " " dons. " " " " " " " " " " " " " " " " " " "	Brailwof Main Trypail. Sough out of Aprail top 911 sail, Jib + Jon Homent claypian
.M. 1 2 3 4 5 6 7 8 9	Current Variate Vater Vater Water Coal of Coal	remaint du consultation of experience consultation of experience consultation of experience consultation of the consultation o	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f ned during the pre- ning on hand at No SSE " " " " " " " " " " " " " " " " "	Amplitude observed azimuth observed during the proof or use at Noon ceeding 24 hours on the control of the cont	fms. porved at ed at ecceding	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16 7 17 7 18 7 18 7 18 7 18	1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5	100 hou hou hou hou hou hou hou	22 22 22 22 22 24 24 24 24 24		86 " " " " " " " " " " " " " " " " " " "	2 / 8 8 2 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	gal 8 9 9 9 9 9 9	" " " " " " " " " " " " " " " " " " "	Brails of Main Trypail. Single outs Topsail
M. 1 2 3 4 5 6 7 8 9 10	Current Variate Vater Vater Water Coal of Coal	remaint du consultation of experimental du consultation of exp	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f ned during the pre- ning on hand at No SSE " " " " " " " " " " " " " " " " "	Amplitude observed azimuth observed eceding 24 hours during the proof or use at Noon ceding 24 hours on the control of the con	fms. perved at ed at ecceding	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	1,5 1,5 1,5 1,5 1,5 1,5 1,9	10 10 10 10 10 10 10 10 10 10 10 10 10 1	24 24 24 24		86 " " " " " be	210 288 989 cons 16. "11! Cin "1" "1" " "1" " "1" " " " " " " " " " "	gal 005 8999991099	" dons. " " " " " " " " " " " " " " " " " " "	Brailwof Main Trypail. Sough out of Aprail top 911 sail, Jib + Jon Homent claypian
.M. 1 2 3 4 5 6 7 8	Current Variativ	remaint du consultation of experimental du consultation of exp	ring the time f the Compass by A f the Compass by A nded during the pre- aining on hand fit f med during the pre- ning on hand at No SSE " " " " " " " " " " " " " " " " "	Amplitude observed azimuth observed eceding 24 hours during the proof or use at Noon ceding 24 hours on the control of the con	fms. porved at ed at ecceding	Sunr Sunr Surr Surr Surr Surr Surr Surr	3, 2, 16 1, 18 1, 18 1, 18 1, 18 1, 18 1, 18 1, 18 1, 18	1,5 1,5 1,5 1,5 1,5 1,5 1,9	10 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24 24 24 24		86 " " " " be	2 / 8 8 2 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	gal 005 8999991099	" " " " " " " " " " " " " " " " " " "	Brailwap Main Trypail. Suigle out of Topsail top 911 sail, Jis + Jon Homent classial

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

Examined and found to be correct.

Mom's declination = 21. 48' 16

First Quarter.

Lewlinant & Navigator.

Quiterant you

LOG of the United States Thip Essex"
Making passage to Femchal Madeira

		1	1			_			_								
				WINDS.			BARC	OMETE	R.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height	t in Tates.	her. tt'd.	Air Dry Bulb.	Wet	Water at surface.	Weather. by symbols.	Clouds, by symbols.	Prop of Sky, in 1	of the Sen.	Record of the sail the vessel is under at end of watch.
A. M.																	
1	4	6	Ers	524	3		3,0	,8	1,5	1.2	77		oc.	Cena	0	3	Single refer Ly ails , toffet
2	6	4	1	"	4		20	08	1.5	12	57		Le	con Ste	1	"	sail, Lit, foresail, elaysail
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Noon.	6	5	"	nw	0		: 0	7	1.50	ho	09		"	"	1	1.	man etim sail + Main Typail.
-							1	,	-						+	wek	Set put topmest stewal.
	Distance run by Log since preceding Noon 104 knots 4 fathoms.																

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon O

Longitude by Chronometer from Forenoon Observations ⊙

Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours

during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

29.07.

288 gallons.

tons 2000 lbs.

P. 1	M.															
1	1	8	0	ass	nw	5		3,06	1,5	115	59	be	nin	2	ne	
2	3	8	6	"	nnw	1		, 08	1	10000		4	"	1	"	
2	3	8	4	"	,	1		2 08	1		100000	4	4	4	4	
4		1	8	1/	na	5		111	1,5	1.3	5		Str nim		"	
1	5	7	2	,	unw	5		116	115	1,3	11		Cun Ste		1	
	8	6	4	,	7	4		, 18	1.8	13	VI,	4	1	3	9	
1	7	6	2	"	"	4		, 18	1.8	1.3	5%	"	"	4	- 4	,
8	3	6	4	,	Zew	4		" 20	1.8	43	0%	oc	Ci him	0	*	Suigh reefed topoach for
8	9	6	5	"	1,	4		, 20	1.9	1,3	51,	be	Ci	7	14	pail, Irpmant play pail +
10		-	5	,	,	40		1,20	1,8	1.4	01,	oc	Cu nein	0	"	for topmast eliminal
11		-	0	"	"	4-5	10000	1 20			1000	che	,	6	4	
Mie	d.	8	0	"	"	4-4		1, 2	1.8	1,3	7	,	"	3	"	
-	-		-			1 - 3	10000	1.	1	1000	1000			The same		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

Commences Suntil 4 and, Clondy pleas ant. Frush brage from Sw. Moderate Sea. at 12 " Per Main Inpail, Sit, & ster for topment stumail.

4 1. 8 auce Clear of Bossels. Smooth Lear, at 50 shook reefs our of Dofo ail Set myster toppalaur statesails. Auerit 31.08. Some detaches +making Jon 35 to, 38 turns.

(pp) W. Cellogy
Liebleware of w

From 8 to Moderal Moderal Moderal Muid shifted from Sto In fort quarter, Jook in Reacher squally but not curple as 9.0. Set myste at 9.00, and ar 10.00 took in the set for topmast strusial. Braces up a comple of points by the Rto braces. Moderate Rea. Ship willing spetching sainly, Commenced distitling water as 8 45 changed course to 6 & 6 or 10.00 by order of Como of officer, Quent 30.07.

Mendian to 4 Pm

Clear Apleas aux. Fresh brege from nº400°, Moderate Sea. Steering a course & Ste

Cuenia barmeter 30.12

(go) & RRees

Levilenaux oger

Pleas aux weather, Moderate to find breeze from wnw, Long sweet and ship volling deeply. Or 4th called all hands neef tofoails. Food seigh nefin tofoail, fulled royals, haules down + stowed list. award townether 311,16.

(pgs) Wordmine
Master upon

blev pleasaux weather. Moderate heeze from MW, Smooth Sea. Bright mornlight. Queroid 30, 18.

(Sfr) Wheelergy

Limiterant your

8th Miliside

8th. Widnight.

Heather pleasant. Barometer steady as 30,23. High sea, Ship solling and fitching saily. Stopped distilling as 8.2. Breage moderate to fuch from HW. Couna 30.23.

(gf) R Robrer

Lintenant Ugar.

Morn's déclination = 21° 511' 26 First Quarter.

Examined and found to be correct.

Leculinaukt Navigator.

LOG of the United States Ship Essex"

Variation of the Compass by

Making passage to Funchal Madeira

m	Making passager to Funchal Madeira.															
		0		WINDS.			BAROME	TER.	TEM	PERAT	URE.			ear is.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb	Air Wet Bulb.	Water	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
		Fat	•		-	Le			Duib.	Dulb.	surface.			SIS		
A. M.			615	nnw				1-	,			1	Ste	8	7.	1.
1	9	0	686		5-6		3,25			17		begt	Sir him		2323	Suight organ deposit, finish
2	2 7	0	"	"	5-6		1 23	1 , ,		.7			",	6	"	for them. elivasal + fora
3	7	4	"	"	v-6		7 24	1	1/2	0%		bey "	,	4	"	John cat churial at 1,30
5	3	0	,	uxw	4-5		1, 20		1,	5%		"	",	2	1	Ser Topmand Chinal as 2 45
6	6	0	,	"	4.5		, 20	118	1, "	55		be	"	5	"	
7	6	0	,	"	4-5		, 30	118	1,,,	04		beg	"	4	"	Setman Trypail + Lik
8	6	4	',	,	4-5	-	, 30	19	1,	934			Cum Se	6	"	as 5. Shook suf on of
9	2	0	,	"	4		" 32			55		be	",	8	2	Jefrail at 600, Ser
10	7	0	7	"	4		" 38			55	-	"	"	8	"	myde - fly lis a 7-
11	6	5	,	"	3		, 34		12			",	"		"	
Noon.	5	4		"	4		" 34	1/2	1/2	55		"	",	6	"	
	172 tents															
	Distance run by Log since preceding Noon fathoms.														n .	
	Latitude by D. R. at Noon															
	Longitude by D. R. at Noon Latitude by Observations at Noon 33 ∘ 18 · "> 33 ∘ 18 · ">															
					vation	8 0						2	6.0	9.	,, e	V
	Longitude by Chronometer from Forenoon Observations © Current during the time knots fms. per hour, setting to the															
	Variation of the Compass by Amplitude ⊙ observed at Sunrise															
,	Variat	tion o	f the Compass by A	zimuth o observe	d at								•	,	"	
,	Water	expe	ended during the pre	eceding 24 hours									300	ga	llons.	
,	Water	-		during the pro	eceding	g 24 l	nours								"	
	Water	rem	aining on hand fit fo	or use at Noon									1401		"	
			med during the prec										tons / 3		lbs.	
	Coal	remai	ning on hand at No	on								84	" 40		"	
P. M.							T	T		1					1	
F. M.	1,	5	686	nnw	3		30 32	1.	1.	51,		be	Mm Vei	7	5	Same
3	7	"	688/16	u	3-4		1, 02	1				",	Cu	6	1	Horita fly lib at 230
3	1,	5	1	248	3		1 31	1,1,				1	"	8	4	Forking bod 24 44 plenials
4	2	0	,	,	3		2,	111	13			"	1	8	1000	+ fore top me strins and
5	1,	4	,	26x2c	4		, 30			57		9	4	5		Took sufin Topsails
6	5	1,	,	246	4		30	11	1/2	55		7	Cu'him	8	7	44.50
7	4	8	,	,	4	4	, 38	11	12			"	Cum	8	"	7
8	4	4	,	"	3		, 38	11	12	05	-	,	"	8	*	
9	4	0	,	5	3		, 38	72	1/2	55		7	"	8	7,	
10	3	6	,	,	3			72	1000			,	1	8	7	
11	4	1	"	,	3		1 38					4	"	1	1	
Mid.	4	5	,	"/	3		, 39	10	12	15		" (i' Cum	6	"	
												-	-		-	
Longitude by Chronometer from Afternoon Observations O																
			by Chronometer fro				*						0	,	"	
			of the Compass by	Amputude obs	erved :	at Sur	nset								"	

ewel from new. Mustew or quarters as 4.45 Relfer Topsails at 4.50, fulls Rugals oflying jis t set topquelan sails over snight mets. Bright monlight. Steering a course ESE/16. Quenia 30.34 (91) CRees Levilenant 1905

1, to 8 Pm Avend forometer 30.35.

Master nje & to Midnight blea + feliciais. Light breze peur nué. Long swell from men. Bright montifhe. Quenis 30.39. Levelugy. Levelugy. anun 30.39.

Monis declination 20° 52 26

Examined and found to be correct.

Makin spacsage	to Funchal	Madeira
mary		

Ma	Ke	uf	passage	to du	ue	ha	1	16	aa	les	ra					
		0		WINDS.			BAROME	TER.	TEM	IPERAT	URE.			S. S.		
Hour.	Knots.	oms.	Courses steered.			ny.	Height in	Ther.	Air	Air	Water	State of the Weather, by symbols.	Forms of Clouds, by symbols.	of Clear in 10ths.	State of the Sea.	
Hour.		Fatho		Direction.	Force.	Leewny	inches.	att'd.	Dry Bulb.	Bulb.	at surface.			Prop Sky,		
A. M.																
1	4		€86/2 €	nn6	3		J. 39	10	1.2	55		Le	Cui	9	2	Topget sails, engle refer
2	4	5	1	. ,	3		1 07	68	1.2	55		"	"	6		Topail, f. toponest
3	4	5	"	,	3		, 09	67	12	55	-	,	Ci Cum	3		play pail , M. Trypail
4	4	5	"	"	0		, 38	60	1,2	55		,	"	4	1	
5	4	5	, "	,	3		, 40	17	1/2	54	-	"	um him		7	
6	4	5	"	n 6× 26	¥	1	" 40		A PORTE		1000	,	.,	3	"	Set myst ofly dis and
7	5	0	2 21	"	3	1/4		-	1,5		300	"	1	1	"	short sugar of tops als
8	5		86x 6	216×6	3		" * 4	1		1000		oe	"	0	"	
9	5		86x61/26	26× 16	3		"44					"	1	0	"	
10	5		86x6	"	3-4		1 45					,	1	0	1	
11	5	0	686	2 4 5	-		1, 46	100		1		be	"	/	1	
Noon.	*	0	,	nne	3_4		, 42	//	1, 2	-00		"	",	/	"	
tuck																
Distance run by Log since preceding Noon /2 3 knots 7 fathoms.																
Latitude by D. R. at Noon 25 071, " 25 071, " 27 071, " 28 071																
Longitude by D. R. at Noon																
			Observations at N													
Longitude by Chronometer from Forenoon Observations © 28.36, "Concret during the time knots fms. per hour, setting to the																
3				Amplitude O observ				to th	e				0	,	"	
				zimuth o observe		-						2.	5 .	,	,,	V
			nded during the pro		uai							-	200	ral	llons.	
			seived	during the pre	ceding	24 h	ours						900		"	
			aining on hand fit for		coung	, 211	Ours						001		"	
			ned during the pred									, t		60	lbs.	
			ning on hand at No									83				
P. M.																
1	4	4	6x8	2006	3		3,42	17	1.1	5		be	Cu Cum	3	8	
2	5	0	,	"	3		, 40	1.8	1/2	5%		"	',	,	1	
3	3	2	"	"	3		1 40	17	1/2	5%		1.	"	3	"	
4	4	0	",	"	3		1 42	16	112	5%		"	"	5	"	Single supo topeals.
5	4	0	686	16×26	3		11 44	11	1/2	116		1	"	8	1	Jules my a ofly his
6	d	0	086/16	"	3	,	1 44	17	1/12	05	-	1 (um him		,	
7	4	6	,	"	4	1/2	1, 40	18	1/2	4		"	"	3	1	The state of the s
8	4	8	00' 00	"	4	1/2	1 46	18	1/2	v4		"	"	3	1	
9	4	6	16×6	れらx E	4	1-	1, 511	1.8	,	15		1,	"	5	4	
10	de	6	86x6/26	"	×	1/2	, 48	1.8	12	56		1	1	60	1,	
11	V	7	616	26	14	1/2	11 47	17	1,	16		"	1	9	"	
Mid.	5	6	6x1	26×36	4	1/2	11 42	1,8	1,	56		"	"	9	"	
			-										4	4		,
	Longi	itude	by Chronometer fro	om Afternoon Obse	rvation	18 0						2	3 . 2.	3,	" .	

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by annual at 4 Am

under the command of Commander aft, mi Commick , U. S. Navy, Juisour January 31th, 1887. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences trutil 4 au. auan's burnete et eus of watch 30.32. (gr) K. Rohrer Smilwant ogn Cloney splies our. Level bregs from 20 46°, Smoot Sea, with a long sever from 12 x 100°. Barmeter strady. Shooks suf out of topsails at 500, + set orgals and flying fit. Steing a course ESE the, until header off at 730, afterwards full + by. Twenia barometer 30.40. + by. Tuesia bassmeter 30.40. (gu) b. P. Reis. Lieulenaux (gw) Clear spleasons Light to moderate brege from MEx &, hauling gradually to Mile. Our 9. went to quarter simpletia the crew. Excesses 1st Die at great great grand, 2° Die at Suiglo sticks, 3; Ponder, & Marin gund or Small arms. Hearited brile out of placed Henry Levis (Pour) air politory confinement on bread xenates for i days, for reglish of duty. Moaster you Mendian to 4 Pm Clear delightfule arather. Light huge from it ité. Moderate avoire from 16 N. Cer l'exercise 1t vis ar fering ar touger with an gran, avery 17. Coursid 30. 38. Heather clear & pleasant, Gentle breeze Jum & Ex & , Sea smooth, Ship steady.

Districting water. as 4.45 musteurs crew as quarters, as 45 puled rylls &

flying gib, & took, ruf ni dopsails, Brailes up main Ingrais. auenia 30.42

(gh) K. Rohrer Lunteraux 14w 1, to from bludy opliosant, Bright morrelight heaking though the cloude, Steering fuel of up to 6 x S. Stoffed distirting tenemia toroneetw 30.42 Lienterraux year St. Mideright. Clear & pleasant. Moderato bruge from h Ex E. Lawling to 4 Ex 26. Bright morn salarlight, accoming barmeter 30.40. (pgs) H. En Inni master you Moon's declination = 18 57 26 Examined and found to be correct. Levelmant & Navigator.

Variation of the Compass by

LOG of the United States Thip Essex", 3 Rate, 6 Guns, Making passage from Horfock va to Funchal Madeira

Hour.	Knots.	Partner.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather. by symbols.	Clouds, by symbols.	Prop of C Sky, in 10	of the Sea.	Record of the sail the vessel is under at end of watch.
-																
A. M.	u		ESE/26	nn E	3		3, 41	1,5	1,2	51.		be	Ci Enin	1	8	Sauce
1 2	4	-	886	218	4			1.1,		1,000		och	"	0	"	
3	4	-	1826	26x6	4			11,	1,	57			Cum min	1	"	
4	4	1	86x 8./28		K			1,5	-41	11		"	"	1,	"	Sour
5	4	5	88	En &	3	,		1,5	11	5%		"	Cu'Cum	4	"	
6	4	5	SSXE	26x8	3	,	1 411	hr	111	5%		"	',	5	"	
7	5	0	88/26	"	3	,	1 41	13	1,	51,		"	,	7	1	Shook neps at of Johnie
8	5	5	88/28	218	4	,	, 42	11	1,1	55		"	",	9		per myse ofly lib.
9	5	4	886/26	EXA	4	1/4	1 43	1.5	1,2	51,		"	1,	9	1	
10	5	4	8863/16	"	4	1/4	1 43	1.5	11	55		"/	"	9	"	
11	5	0	SEXS	",	4	14	1 42	18	1,3	5%		"	"	9	1	
Noon.	4	0	86/28	En E	U	1/4	. 40	1.5	12	5		',	",	9	"	
														-		
	Distar	ice ru	n by Log since prec	eeding Noon								1111	knots 8	fath	oms.	
	Latitu	de by	D. R. at Noon									3	5 . 3	,	"	u
	Longit	tude l	by D. R. at Noon									2	1 . 2	7	" .	W
	Latitu	de by	Observations at No	oon O								32	. 20	۶.	" ,	er .
	Longit	tude l	by Chronometer from	m Forenoon Obser	vations	0						21	. 2	7.	" ;	4.
			ring the time				r, setting	to th	е							
	Variat	tion o	f the Compass by A	amplitude O obser	ved at	Sunr	ise						•	,	"	
	Variat	tion of	f the Compass by A	zimuth O observe	d at	80	reu					2	2.3	0,	" (W
			nded during the pre										2911	gal	lons.	
	Water	/re	ceivas	during the pre	eceding	24 }	nours						700		"	
	Water	rema	aining on hand fit fo	or use at Noon								2.	411		"	
	Coal	eonsur	ned during the prec	eeding 24 hours								1	tons 6	0	lbs.	
	Coal 1	remain	ning on hand at No	on								81	" 15	65	- "	
					1			-	1	1				1		
P. M.			0 0									0				-
1	5	0	16	646	34	1/2	30 35	11.5	1/2	1		be	Cu Cum	7	1	
2	4	8	88/26	46x 6	3-4	1/2	36	1.5	1/2	5%		"	'	2	1	Brails up m Trypairl
3	3	6	16x8	6 x 26	14	1/2	35	1.5	111	U		1	Cum	9	1	
4	3	0	16	626	1-4	1/2	35	1	1,1	55	-	"	1,	9	"	
5	4	5	"	"	3	1/2,	35	11	1,1	0%		,	"	7	11	Sujlo seef in Topo ails
6	3	1	,	,	B	1/2	36	17	1,1	11,		,	"	6	11	Indu my als & fly dis
7	3	5	"	,	3	1	38	1.8	1,1	55		1	"	7	"	
8	4	0	86/28	,	3	1	39	1.11	110	15		,	"	4	"	
1		1	686	"	3	1/2	40	1,5	1/1	55		1	,	5	11	
9	4	5	010	the same of the sa		1		1 , -	10	54	4	,	1	4	1	
	4	5	- "	26	3	1/2	40	115	111	1	-	The second name of the local division in which the local division in t	100000000000000000000000000000000000000	1	1 1	
9		5	- 36	216 626	3	1/2	39	15	111	54		,	"	2	"	
9	4	5550	- \$6 \$6 \$8	Charles and the Park of the Park	-	1/2 1/2		15	111	54 54	-	, re				
9 10 11	4	550	- \$6 \$6 \$8	626	3	1/2	39	15	111	1	-			2	11	
9 10 11	4 4		SE SES by Chronometer fro	Ex n	3	1/2 1/2	39	15	111	1	-			2	11	
9 10 11	4 4 Long	itude	- \$6 \$6 \$6x\$	Ex 22 om Afternoon Obse	3	1/2 1/2	39	15	111	1	-		"	2	"	
9 10 11	4 4 Long Long	itude	SE SEXS by Chronometer fro	om Afternoon Observations	3		*	15	111	1	-		"	2	"	

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commerces tentet 4 aw, blear & pleas out, bloody frist two hours front to with obscured monlight, bright mornlight per anide fevatab. Light air from h " +6", Amont Sea, aucuis 3036., Sonas delached & making from 15 to 19 turns.

(og v. W. Reelogg Levilenaut ager 4 to, 8 aw

Heather Clear of less out, Barneter steady, Clouds Curis cumuler, Breeze gentle to moderate from 626. to ME. Lea smooth, Ship steady. Or 630 shork reefs out of Topsails, + set much of Lying jit or main Topsail, Querned Commeter 30.39.

& to mendian tracter clear efleasant. Sentto breze from rotto, Smouther Bermeter beginning to face ar gent office of Dispurificated clothing + made our clothing lists, Maurie Guard drilled ar Amale arms. Crew ar work about deaths, or facility your + brats. Querie farmenter 30.36. (pgs) 6. P. Rece Lemberaut ogel

moundain to & Pm Pleasaur weather, would light + very australy, varying between H. +6 SE Seas Smooth. Brailer of main Trysail as 3.0. 2° Dri practices ar targer with air gun, the average being 1,8 %. Souther & viles coffe of tothe Course. Quem? 30,34.

(24) H. Me. Arvin Martin upon

Oben Apleanaur; light brege from EUE, Smooth Lea. as 44 mustered ar quarter. Ot J. took sigle reefin. Tops ails, time i 45, fortes regales Afging fit. Quenia 30.34 (20) W Reelogy Sinternaux year

Neachwaleary Rauto breze pun & 26, Bright monlight startight.

Jea smooth, Ship steady. Queni, baroneter 30,36.

(pgr) K. Rohner Linkerat Ja

Sto Moideright.

Blendy & pleasant, Would fitful from n'+6', Sommet Sea. Barounte steady.

Plendy full thy. Quemia 30.36.

(450) b. P. Rees. Lindewant ugu

Morrio declination = 17 41 0 20 Frist Quarter

Examined and found to be correct.

Leulewart & Navigator.

Variation of the Compass by Amplitude

Variation of the Compass by

observed at Sunset

Making passage to Funchar Madeira, & Rate, 6 Guns,

				//													
	1				WINDS.			BAROMI	ETER.	TEN	IPERAT	URE.			lear bs.		
Ho	nr.	Knots.	oms.	Courses steered.	Disation	Force	ray.	Height in inches.	Ther.	Air	Air Wet	Water	State of the Weather. by symbols.	Forms of Clouds, by symbols.	of Clear in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Fathoms		Direction.	Force	Leeway	inches.	att'd.	Air Dry Bulb.	Bulb.	at surface.			Prop Sky,		
A.	M					-											
	1	4	5	86/25	nexu	4	1/	30 34	64	1	1,		Lea	G:G.	2	21	For sails . I of into any is my
			6	18 x 8	Exu	4	1/2	31	15539				be	4	4		
	2	4		86	6 21 E		1/2	-		1,11			oc		,	"	Apple sails, Det, Somment
	3-	4	0	0-1	6 26	4	,				177		"	"		1	elapail & me my sail
4		3	2	86/25	1	3	1/2	30	1,5	her	1111		00	",	0	"	
!	5	3	2	86x8	"	3	-		13	1000			"	"	0	1	
	8	3	2	886	"	3		33	1.3	1,	54		"	Cun him	0	0	Plan sais except Rhander
1	7	4	5	"	"	3		34	63	1,,	54		be	Ci Cum	1	1	
8	3	4	0	",	1	3		34	63	1,	54		,		-	4	dokin pagas flyslit at
9		2	0	ESE	n E	,	1	38	64	1,11	14		ory	him	0		In Aloxando.
10		,	-	,,		,	,	37	64				Sop				D
		5	0	85:54.8	, ,	,	,		1					,,,	1		Pet my de flying for + dof
11		-	2	20 80/20	,	(/			111			,	-	5		Alt Sail Took in By ail.
Noo	on.	1	8	"	,	1	/	34	15	14	26		"	"	1	"	
_																	
	I	Distar	ice ru	n by Log since prec	eeding Noon								89	knots J	fath	oms.	
	L	atitu	de by	D. R. at Noon									31	4	1 1/0	5 ,, ;	r
				by D. R. at Noon									211	, . 11	2,	"	ev
					an O								3,	, . 3.	2.3	8.,	r
				Observations at No									19				
				by Chronometer from									/	-		"	
	C	arrei	nt du	ring the time	knots f	ms. po	er hou	r, setting	to th	ie							
-	V	ariat	ion o	f the Compass by A	mplitude O observ	ved at	Sunr	ise						•	,	"	
	V	ariat	ion of	f the Compass by A	zimuth O observed	d at	8a	ew					ó	21007	,	"4	/
	W	ater	expe	nded during the pre	ceding 24 hours									292	—gal	lons.	
	V	Vater			during the pre	ceding	g 24 h	ours									
	V	Vater	rema	nining on hand fit fo									21	19			
				ned during the prec													
														ons / 9			
		oai r	emair	ning on hand at Noo	n								00	" 194		"	
													-				,
P. 1				05					-				,			,	
1		3	0	86	Eng	2		3, 3E	1,5	1/2	59		bex	hun	2	1	
5	3	3	0	"	",	2		32	1.11	1,3	09		"	1,	1	1	
1	3	,	5	Sx 6	8	2		31	18	114	1,,		,	"	3	"	The Room of the London
4		3	5	26×26	Ex8	3		31		1.3			begg	,	2		
		3	6	246			1			1.3				4		"	1 . 1 . 1 . 1 . 0
				nas	"	3					59			mi Heen			took sight sufait pails
1		1	0	2"	200	0-1			1. 1	75.55	19		och	lin him	/	"	Jules ongolo ofly lis
1	7	/	5	Ern	186	1	-	33	17	11	59		4	"	0	7	
8	3	1	0	8	Daniable	1		34	18	1,1	59		fe.	Ci hui	3	"	
. 8	,	2	0	26/221	686	1	1	35	-1,	1,	59		"	1	3	1	& Ser Spanker
10)	2	0	48	,	,	,		19	75000	5-9				4	,	
11		3	0	26/28		2	,	31			19		1		6		
Mie		3	-	En E	1		1	30	/"	,	/		1	,	8	"	
	4.		0	0	"	2	/	7	7"	12	59	-	"	1		1	-
									7	-	-						
	I	ongi	tude l	by Chronometer from	n Afternoon Obser	rvation	ns O						2	0 . 0 4	1,	"4	/
	I	ongi	tude 1	by Chronometer from	n Observations			*						•	,	"	State

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes tentil 4 and, Clindy & cool. Moderate breeze vanying from Et, HE. Light swell from Hatter of a Co. S. . . (pgs) H. M. Imin Master of

4th 8acw, belondy opleasant, Light brege with occaseinal light squalls find 626.

Smooth Rea. at 5.45 short refo out of Jofsails, Set orgals of flying jis, as 750 cloud of eyals & toppgelout sails to a squall from 2046- award 30.34.

(ega) W. Kellogg Lientenant you

Samula pleas aut, though truthed with runnerous light parsing showers, Light air from HE Barmeter pleas aut, though truites & coins, Sea smooth. As 900 menteurs & impeters crus at quartes, Marie Suard fries as target with an gent marking and average of "/200 The 1th Nois price or a sought with Hotephins Istajagine Rifle. Communed distilling water at 10. Two pail reportes from aloft, and at east of watch they were visible from dead, one a brig on the weather quarter the other I found of weather beam. By order of Comy office released P. Marie It Levis from confiniment.

Inm 11 course is changed to 6 by order of Comy Office.

(pgs) N. Rohver Similareaut Gent

Mendeau to 4 Am le spite & fiful. Light squally frain severed. Barmeter fully slowly beaute sail in sight during watch. actemptes to tack ship as 2.3°, but the wind fully light wood armed to 2.4°, planding fuel the up to East, By order of Complifice placed Ind. R. boston (103) in solitory confirment for odays on head and water, for meddling with fin exterigioshis, & prevai cation. ariend 30.28.

Everent telendy with faving shows last hour, Light and from SAE, as 4th court to quarter of musteur the crew, at 450 troso single out in Dofrails, feeles pyals of fying fit. Passed a breek book, and baced aback Main Yand, exchanged lugitude & Ocolors, & filed away again accessed 30.30

(gs) A.M. Amin Measter you

lotady, light vairable airs, with light squall formed train from various deviations was I ship to 20 400! as 7. " Hoeades no on sto Facts. Smooth Sed, award 30.34, (201) W Rellogy Limiterant eyes

Weather clear of leasant. Barmeter fueling. Light hear from ESE Smoot Sew. Bright mon testaly for, ar 10 ser spanker & Main Trypail, Course is 6/2 % from 11, by ander of Convey Officis. Districting water. Noticed a peculiar hals around the moon at 11.4 consisting of a red pring, + a green out their author red one, around 30.29.

(ego) K Rohrer Limituaus yes

Moon's declination _ 14° 31, 2, 76.

Examined and found to be correct. First Luculion

The Market Navigator.

Longitude by Chronometer from Afternoon Observations \odot

observed at Sunset

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by

Same

LOG of the United States Thip Every, , 3 Rate, 6 Guns, Making passage to Funchal Madain

					WINDS.			BAROME	TER.	TEM	PERAT	URE.	St. to of the	Farms of	lear ths.	State	
1	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
1	. M.																
	1	3	8	26./2 m	ESE	4	1/2	3,30	1,5	1,2	1-8		Lo	an	€.		
	2	3	5	nExx	ESE SELE	4	1/2	31	1.5	1. 2	18		boh	Cu hin	3		
	3	3	0	n 6 /26	86 x 8	4	1/	31	1.5	1/12	57		7	7	2		
	4	3	2		"	u	1/2						"	",	5		
	5	3		26/26	',	4		25	1,5	11	06		be !	Cua Ste	2		
	6	3	5	26/22		4		27	1,5	11	06		7	"	8		
	7	3	2	216	4	4			1,5				,	1	8		
	8	3	3	46/1h	"	4		31	1.5	1.2	77		"	Ci Cum	/		are fluisail
	9	3	0	26120	1	2		32	74	1,2	S		"	,	1		
	10	3	0	"	1	2		The same of the sa			08		,	"	6		
	11	4	5	46x6	" "	4		100000000000000000000000000000000000000			17		7	"	*		
1	Noon.	5	0	,	"	W.		33	1.8	1,2	19		",	"	*		
F															t	med	
	1	Distar	oce ru	n by Log since pred	ceding Noon									knots /			
	1	Latitu	de by	D. R. at Noon										. 2.		1	
	1	Longi	tude l	by D. R. at Noon										9 0 3 8			
	1	Latitu	de by	Observations at No	00n O									. 27			
	1	Longi	tude l	by Chronometer from	m Forenoon Observ	vation	s 0				-		19	037	7,3	1,"	
		Curre	nt du	ring the time	knots fi	ms. pe	er hou	r, setting	to th	e							*
				f the Compass by A										•	,	"	,
		Varia	tion o	f the Compass by A	zimuth O observed	d at	80	un					2	2010	, ,	"	W
		Water	expe	nded during the pre	eceding 24 hours								2	90	gal	llons.	
		Water	12	eseind	during the pre	ceding	g 24 l	nours					1	w		"	
		Water	rem	aining on hand fit fo	or use at Noon								21	129		"	
		Coal	consu	ned during the pred	ceding 24 hours								1	ons //6	0	lbs.	
		Coal	remain	ning on hand at No	on								29	" 180	-	"	
-						1			-		1				1	T	
1	P. M.				0.00								0				
	. 1	1-	4	nE1/26	646	4	1/2	3,, 29	1.5	1,2	18	1,5	La	Ciris	3	8	Sacre
	2	5	5	nE	"	4	1/2	26	1,5	1,1	58	15	"	Ciem	4	1	
	3	4	5	216/26	10	4	1/2	17	1.5	1/2	59	1,5	4	mi + Cir	1	1	
	4	4	5	626	16	3		27	1,5	1,2	18	11	- 1	",	3	1	
-	5	2		Exs	8	1	,	31	17	1,2	58	14	4	"	4	1	Same
	6	2	4	216x 61/26	16	1	1/4	32	1.8	12	51	14	. 1	1	4	1	- Salaring
	7	3	2	nex6	100	3	1/2	32	18	12	08	1,4	,	"	4	"	
	8	3	2	26/16	86 x 5	S	1/2	3,	119	12	58	15	1	Cui	4	1	
	9	3	2	n6	"	3		31	17	1.3	18	14	,	"	4	7	
	10	3	2	216x 6	"	3		32	17	12	18	14	,	1	6	1	
-	11	2	2	"	,	2		35	11,	12	58	1,4	,	1	6	11	0
	Mid	1	6		11	15	1	> ,	1.	1	18	11	- 11	The second second	15	100	1.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commerce of few til 4 accel

Weather generally pleasant, think teft of the pow of 46°. Samuel Sew, Barmeton

Straty. Brights monte for. Cumina transmite 20, 27,

190 b. P. Reco Limiterants Upp

Who Sales

Short pleasant. Lift buye for is 6. Bright monthings fort facts. Out of short outp

out fithe Infrailes. The organis of flying jib. accessed 30, 28.

Show there can't, and occasional light equalls found train. Variable light

buye from both 6°, at 9° was to parties. As 90° personed. Moderate sweel from

No 474°. Account 30, 30. Boys thought the town grown for days day to the duty

for mining muster. If other forthing forces.

Weather also opposed out. Barmelto facting. Sentle to moderate beage form 6 sto

15°. Sombers to figurellant claims and. Problem derinion execution at larger with air

gue marking are accounted pleasant. Problem derinion execution at larger with air

31°. She had but his pre toffeelant organ. Problem derinion 27°.

18°. All And but his pre toffeelant organ. Accounted to a secondary to

Strate of the strain of quarters at 4°. The month of the Second Second townets viewing

Markens as quarters at 4°. The month or as 5°. Counter Second townets singly

Markens as quarters at 4°. The month or as 5°. Counter Second townets 3229.

(20) B. Rece Level towned townets 3229.

(21) B. S. Rece Second townets of the month or as 5°. Counter Second townets singly

Markens as quarters at 4°. The month or as 5°. Counter Second townets singly

Markens as quarters at 4°. The month or as 5°. Counter Second townets singly

Markens as quarters at 4°. The month or as 5°. Counter Second townets singly

(20) BREEN Levilenaut eyes

1. 1. 8Pm.

Pleanaur weacher, Light breeze from SE Smooth ha. Phigh monthlight.

Counied burneter 30.31.

(23) 4 M houris Monator ofer

Strati Miderifit.
blear, ove, flowant, Light breeze pour Stil & Smoot ha. Luy moderate ource four 40 400. Bright moonlight, at 11. " went to fine quarters, all swiner reporter ready in 5 minutes. Tenemia 30.30

(450) W. Kellogg Limber aux 190

Moon's decliration 10° 57' 29' 21

Examined and found to be correct.

Lieutenant & Navigator.

LOG of the UNITED STATES This Essex Fate, Guns, Making parsage to Funchas Madeira Prop of Clea Sky, in 10ths Sear State Record of the sail the vessel is under at end of watch. Direction. A. M. EnE 30, 30 115-11, 18 1,4 al plan Rail except Sex8 2, 11, 11 08 14 Ex 26 ani 2 216x6/28 86 28 1,5 1,2 18 1,3 3 26 15 he 18 13 21 Ex 83/x 6 6 4 29 /1/ 1259 /13 Ex 20 1 5 29 15-1-12 59 1.4 Jorkin spanker 1/4 6 1/4 7 8 32 1,5/1207/14 35 1512 58 64 10 32 1,513 18 14 Shortens tful sail 11 32 15 14 19 14 Noon. ho knots / fathoms. Distance run by Log since preceding Noon 33.01.37.2 Latitude by D. R. at Noon 18 .40, EE, W Longitude by D. R. at Noon 33 . 13 .07 " EL Latitude by Observations at Noon ⊙ 18.36.30 W Longitude by Chronometer from Forenoon Observations ⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise 21.31, "00. Variation of the Compass by Azimuth o observed at Suew 300 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 2329 Water remaining on hand fit for use at Noon 3 tons 2/80 lbs. Coal consumed during the preceding 24 hours Coal remaining on hand at Noon

P. M.															1	,
1	1.	8	16x6/26	818	1		30 29	1.1.	114	59	lis	Le	Ci	1	8	Steam
2	1.	8	16/26	',	,							"		6	"	
3	T	0	,	1	,							"	7	8	"	
4	5	0	,,	7	1					100000		- 1	"		1	
5	6	4	,	"	,		22	11	1.4	18	10	- "	"	8	1	
	-	0		1	,		35	1.5	14	18	14	Lew	"	5	"	
7	7	0	The state of the s	7	1		35	117	1.3	17	10	to	Ca Ste	8	"	
8	Series .	6	The second secon	,	1		35	17	13	37	15	- "	"	F	7	Steam
9	6	0	Sx6	,	1		35	-67	1.3	5	14	benw	,	8	"	
10		90	"	"	1							"	"	8	"	
11	3			,	1	100						,	"	8	"	
Mid.	3	2	16x 6	*	1		35	17	加生	57	64	"	",	8	"	
				-	1			1	1							

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

under the command of Commander at Mc Cornical , U. S. Navy, Saluracy Febry 4°, 18 8? RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences seen til 4 alW. Weather clear + pleasant. Light brege pour S E. tr. SEx S. Barometer facking clowly, Bright mon + starlight. Smooth Sea. Ship under plane vail except main pail ariend 30.37

(Pgo) K Rohrer Limburant up 41. 8 acm Party cloudy effection. Light bruge from So + 6°, Barrete ving, Bright monlight party fact fratch, starter fine under for y oft boiles at 17. Terenia 30,30 Torkin sparker or 7°, x haules our storm migger to dry.

(840) B.P. Rees. Levelward ogn Worm Apleasant, Very light air from SSE, Sment ha. ax1000 calles all hands & shorteness & aie, ar 10 to puled sail, startes ahead our beer ar 10 four beers ar 10.0. Sur down tofgaelaum troyal zands. Shaped come &SE for
Madeira, and put on patent log ar 10 -, Ububur + stoned below the storm Enjois Madeira, aus Joseph . Rev ell. 5. mende an to expen Clear spleasaux, Light ais from I SE. Smoot Lea, Ship rolling saidy to light since from n +10, Steaming, marking from 38 to 42 times, auni 30/28. Weather clear pleas aux, Barrette rising, Curis clouds, Hozy in last hour A watch . Light airs from SSE. Sighted land our point on put four ar 421, Four Dail in eight on fort be and thow, apparently men of war, "Lever & britted book brown chains, under steam, furnin 45 lls & 38 revolutions. according to 30. 20. (Sgo) R. Rohner Suileteaut you blear the man Tipher ais from SINES, Sworth hea. The morn row at at 540, Land facility visible during watch from SEXE/16 1. SE. accorde 30.31.

Steam pressure 46 lls, Revolutions 39. St. Midustet.

St. Midustet.

Pleasaur weather Hayy around the horizon, Light and from SE. Sunther.

Bright monlight for 5's changed commen to Ix E., at 5° stopped on account of an injury to the water value on mine end of high pressure cylinder. Refains it and stalled ahead at 9.5° Porist Snista. Then bearing abeau. Or 11° changed ause to SEXE, auenid 30.39. Sleam 42 ll. Revolution 37. (000) W.M. Somin Master agent Morris decliration = 1, 54 09 x Jul moon Examined and found to be correct.

			1													
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	777	Clouds, by symbols.	Prop of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is unde at end of watch.
A. M.																
1	1,	0 2	86x 6 86/26	Exd	2		30 33	1.7	1.3	57	1.4	be	Ci	8	1	Steam
2	3	2	86/26	"	2						15			8	1	
3	0	0	"	,	2		28	1.1,	1. 2	57	1,		,	6	1	
4	0	0	"	,	2		56	1,5	11	57	1.5	7	"	4	7	
5	-	-	Hauding in to	16	2		28	1.1.	11	59	10	"	,	5	4	
6	-	-	sunlarge	,	2		30	1,1	41	19	1,3	7	a Cum	6	9	
7	2	2		',	2		. 3,	1, 1,	4,	06	1.3	4	"	8	9	
8	at	an	chor	,	2		UL	1.1.	41	55	13	9	,,	8	4	
9				Ext	-		3 -	+7	1.2	06	1.3	4	"	6	7	
10				,	2		23	1.7	14	59	13	9	Ci hui	5	7	
11				,	-		००	1,7	10	28	13	9	"	4	7	
Noon.					1		00	17	1.11	-9	13	4	"	4	"	
					-					-				,		
	Dista	nce ru	in by Log since pre-	ceding Noon								84	knots /	fath	oms.	
	Latitu	de by	D. R. at Noon										•	,	"	

Distance run by Log since preceding Noon	. 84	knots /	fathoms	to
Latitude by D. R. at Noon		•	, ,,	
Longitude by D. R. at Noon		•	, "	1
Latitude by Observations at Noon ⊙		•	. "	1
Longitude by Chronometer from Forenoon Observations ⊙		•	, "	
Current during the time knots fms. per hour, setting to the				
Variation of the Compass by Amplitude O observed at Sunrise		•	, "	-
Variation of the Compass by Azimuth ⊙ observed at		0	, "	
Water expended during the preceding 24 hours		2911	gallons	
Water during the preceding 24 hours			"	
Water remaining on hand fit for use at Noon	2	1139	"	
Coal consumed during the preceding 24 hours	1	tons / 82	lbs	3.
Coal remaining on hand at Noon	69	tons / 82	1,5 "	

P. M.												,		
1	Cetac	cher	Sh	1		30 20	1.8	1.5	- 59	1,3	be	Ci	5	1
2			Variable	1				3 0000		1,3		. "	5	
3			16	1						13			7	
4			,	1		1,	7"	1,7	1.0	113	1			
5		Ex 8	Calen	0		La	70	1.7	1.,	1.3		,		
6		"	18	1			7"					Cu'ste	6	
7		",	14	1			70	-	100		,	"	6	
8		26	1	1		35.	70	45	18	1.3	1.	4	7	
9		1,	1,	1		34	1.9	1,5	-18	13	,	"	6	
10		"	1	1		34	70	1.5	18	1.3	,	11	2	
11		1	1	1		34	70	1. 11	55	13	"	"	2	
Mid.		4	1	1		34	70	411	05	-13	1	"	8	
			E CONTRACTOR OF THE PARTY OF TH		1		1000		1000	100				1

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences teentil 4 acce

belear t pleas aut. Light air from 20 46 d. Bright moonlight. Stearing along
Souteon pide of Island of Maderia, deilant about 15 or 20 miles. as 3 th

etopor engines off the city of Frenchal to wait until daylight. How Irland

light bearing (po) 6 26. Lev Rock light (po) 12 MeW. arenid 31, 25.

(Reps) W. Kellogg. Teinlewant of of

41. Facie

Weather clear of pleas aut. Barmeter riving, Cerri Cumulus alonds, Light bright

prom 2. ar 62 place aut. Barmeter riving, for the Teinchal Roads, at

7. aun to with fort analor in 18 from water, vering to 45 from chair ar

austers edge. Banker frim. From 4 to 12 mo way on ship, reft her friend

prom the land. Bearings att anchor age (pe) the Pillon 116/16, week end of Borgante

laland 4 x x 6. Ship had 2 x 6.

Fre Mendean Clear dear of watch, afternas cloudy, her pleasant. Barmeter Study, Cates all hands to muster as 9.2. Quenid Harmeter 30.24.

April 6. P. Rees

Zeenlevaur yer

Mendean to 4 Par

Mendeau to 4 Par blear swarm, light variable air from SW 1.56. Barometer steady. Held Divine Service ar 1.20 Res Mr Smar from schon officiating, anemial 30.24 (Ags) WM Inmin Moaster eyes

Levender de ar the aux, Light air from S' t E', Barmeter vising.
Wastern ar quartes ar 4.45, + serves out alean hammen. Cuind 311.29.

(gg) b. P. Rees Levilenaux you

St., Midnight.

Blear Aplemant, Very light and from \$8. Bright more tetalight, Course 3,31

(25) et no Invini

Martin

Monio declination 0" 34" 41" H Fuel moon

Examined and found to be correct.

Lecilenaet & Navigator

	0	fece	uchal	* 716 a	d	er	ia									
				WINDS.			BAROME	TER.	TEM	PERAT	URE.			ear bs.		
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	+ au	h	ct	18	,		3, 35	1.6	1.5-	1.,	1,4	be	Ste	7	1	
2		+	",	"	1							1	7	6		
3		,	,	7	2		24	1.5	1,4	09	14	"	"	7		
4	1	,	etx 8	"	2			1.1.				4	,	5		
5		-	ctoté	"	2		34	1,3	18	V-8		"	Cui	8		
6	1	1	7	"	2			1,3				1	7	9		
7	-	,	"	7	1			1.2	-	10000	1000	1	7	9		
8			2'0	"	1			1, 2				1	1	9		
9	1		86	"	/		The same of the sa	1/2				7	1	9		
10	4		7	,	1			7, 3		100		7	,	9		
11		1	",	1	-			1.5				7	7	9		
Noon.	-	1	4	,			00	10	"3	9		,	"	1		
	Long Latitu Long Curre Varia Varia Wate Wate Coal	itude by ade by itude ent du tion consultation consultati	y D. R. at Noon by D. R. at Noon of Observations at No by Chronometer fro ring the time of the Compass by A ended during the pre aining on hand fit for med during the pre ning on hand at No	knots f Amplitude © observed azimuth © observed ecceding 24 hours during the pre- for use at Noon ceding 24 hours	ms. powed at	Sun		to th	е				3571 689 ons 15	gal	" " " " " " " " " " " " " " " " " " "	
1	1000	1	618	6.16	,		30 34	11	1.1.	1.,		for	Ci	9	1	
2		,	,	1	,		32		1,4	111		"	Cuy	8		
3		,		"	1		33	1,1	1,5	111		1	"	8		
4	-	,	18	6	2		32	1.8	1,5	54		7	1	6		
5	,	,	',	,	1		30	1.9	44	08		,	1	6		
6		4	',	"	1		30	19	13	18		1	1	6		
7		1	€.	,	1		3.	1.9	1/2	48		,	1	9		
8		,	"	, .	1		3.	70	1.2	07		,	1	7		
9		"	"	,	1		3,	70	61	59		4	"	4		
10		1	,	,	2		30	1.8	1.11	07		bef	Cun Kin	3		
11	1334	,	· NC	34-18	7		12.2	1.8	1.	15		la		13		

Longitude by Chronometer from Afternoon Observations ©	•	,	"
Longitude by Chronometer from Observations *	•	,	"
Variation of the Compass by Amplitude observed at Sunset		,	"
Variation of the Compass by	0	,	"

ctot & 3

Mid.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & autit 4 auv :
Commences & autit 4/4 facus

blear telleraut. Left begg fru SE. Santbes hammerche, Read on brand.
133 lls fruk beef, + 133 lls vegetables, + 106 fram of brand.

(23) b. P. Ries. Lintwick. Up.

St. Mendiaw Clear xwarn. Light brege from SE. brees employed in Retting up standing rijging & blacking ship out wide, Comy officia left the ship to pay official mits, annies farmeter 30.32 (20.20 Irranie)

Master eyer

Medical to 4 Phil

Color repleceant. Light breeze from 6 20 E, brees engaged in painting whip + setting up lowers paging. Aurice 30.02 30 32.

(21) W. Reelogy Teinteraut ogel

Ht. SBW

Clandy scool, Light huge from 6° . Moderate severe setting å finns

Seaward. Cuma barmeter 30.35

(gs) W m Innin

Moales 190

St. Midnight
blendy. Light shower frain as 8.30, Cleaning last two home fracts.
Mon she as q. aumid 31.29. Light air from \$10465

Lunter and age

3 49 41 h Movis declination = Jul moon

Examined and found to be correct.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	Ct 4 C41	T	lear ths.	Cur	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is u at end of watch.
A. M.			0.												0	
1/1	- her	che	Sin	752	2		3, 2,	1.0-	1	1-8		00	Ci Cun	0	1	
2		,	. "	2	2		2)	1.5	he	- 18		1,	"	0		
3		,	14	"	2		26	1.5	1.3	09		,	"	0		
4		,	,	,	2		23	1.5	1/3	09		,	1	0		
5				1	,		23		1,3	/		,	,	0		
6			"	,	,		23	17	1.5	18		,	,	0		
7			,		,				1,3		10000	" (in Min	0		
8			,	4	,		22	1.1.	14	18		oev	huir	0		
9			,	,	,		23	1.6	14	58		',	,	0		
10			"	nun	3				15			be		2		
11			Wish	4 4 4 4 4 S 4.	2		23	1.7	10	1.		oer		0		
Noon.			,	484.	3		29	1.5	11	1,,		*	,	0		
										1000						
	Distan	ce ru	n by Log since prec	eding Noon									knots	fath	oms.	
			D. R. at Noon											,	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, ,,
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙		. "
Longitude by Chronometer from Forenoon Observations ⊙	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	0	, "
Water expended during the preceding 24 hours	291	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1399	"
Coal consumed during the preceding 24 hours	/ tons /7/	6 lbs.
Coal remaining on hand at Noon	134 " 637	

P. M.								
1 44	auche A St	24	5	Ju 16 45	1.2 5-8	oca	him	0 1
2	,	"	5	12/15		1	4	0
3	"	,	5	12/10	1009	for		
4	182	18	2	13 10	1,209	oer		
5	Sh	"	1	15/10	12 -8	och	4	4
6	"	"	1	17 11/1	1,409	be	"	6
7	"	c+ th	1	21 1,81		,	4	6
8	"	,	1	2018		"	4	7
9	et th	ch	1	23 1,8 1	1309	,	1	7
10	1	"	1	23/18/	11154	',	,	5
11	1	,	1	23/7	8 54	4	4	5
Mid.	at at the	,	/	24/18	18 13	,	,	0
	THE RESERVE TO SERVE THE PARTY OF THE PARTY		The state of the s			A CONTRACTOR OF THE PARTY OF TH	ALCOHOLD !	100000000000000000000000000000000000000

under the command of Commander art 406 Cormick Tuesday Febry 2t , 188V. , U. S. Navy, RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Communes suntit 4 au Weather cloudy but pleasant. Light bruge from It to en Ser, Moon showing though the clouds, Ship welling to a succe from 50 + 6°, account 30.25 (gr) R. Rohner Limiteraux agen Goescart telondy, theating rain or the close dight buy from the es - hauling to MSW tpulicing. Made purposations for couling ship, and as 6 30 tue lighters cand alongside. Communed coaling, amend 30.14. Cloudy, frequent light shows frain. Coaling ship, at 11 printed coaling. Fortal quantity received 70 2240 tons. Aunio 30.20. Light to moderate brege from Street " (211) W Keelogy. Limiterant you Meidean tot Bur, Weather, alondy, overcent trainy, Bright for fuch from to SE, Barometer Juling. Couras commelos & nivitors, The Southard brund Eighel Mail Shawer, wear to Sea ar 200, dipping her colors as she Janes on, which compliments are returnes. Seemed factory of fout for Sea. This squad & steam ready to go ahead at once, I Simed our monthly money to the area, By orblin fithe Corry office when Just P. Cotaw (ICB) from confinements.

(pp) K Rohner Similarian uper (egs) K Rohner Suitemans eyes blandy, light variable airs, occasional shower of rain, until 6, when weather cleaned. avenue 30.21. St., mideight Weather clear effect aut, Barometro ping slowly, Light and from hout. a Steamer can into the Road raceabout. Bright mon totallyth. and In. 24. The banked (DJs) K. Rohner Lineburant ages. Choris dealeriation =

Examined and found to be correct.

Lewitinant & Navigator.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	E	lear ths.	Cur	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is und at end of watch.
A. M.												,	0			,
1	Topic Property	de	12	ar 24	2		311 25	1.4	18	53		60	Cui	8	1	
2	1		,	"	2		25	1.4	17	12		"	",	6		
3			',	,	2		cof	13	57	53		,	"	9		
4			4	',	2		26	63	58	54		4	"	6		
5			オイカ	,	2		28	12	1	54		,	1,	2		
6			N	,	1		29	13	09	55		"	,	9		
7			are	016	,		A COLUMN TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE		09			9	"	9		
8			,	. ",	,		33	79	09	16		,	1	9		
9			SX	2 Sol	1		37	1.8	14	~>		,	,	9		
10			x	2/3	,		37	18	13	03		,	1	8		
11			"	4	1		37	1.9	1,3	57		9	',	8		
Noon.			"	4	,		36	67	13	17		,	"	9		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	, ,,
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙		, ,,
Longitude by Chronometer from Forenoon Observations ⊙	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, ,,
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,
Water expended during the preceding 24 hours	3571	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1049	"
Coal consumed during the preceding 24 hours	2 tons /1 3	Bo lbs.
Coal remaining on hand at Noon	2 tons /13	17 "

P. M.														
16	ran	her	34	2/	2	30 34	17	1,4	17		to	Cii	9	6
2			"	"	2	33					',	"	9	
3			1	"	2			44			"	"	9	
4			,	1	٤	STATE OF THE PARTY			08		The state of the s	"	9	
5			,	1	2				47			"		
6			nnn	"	٤				57			4		
7			,	1	,				57		6	_		
8			. ,	4	,	40	1.8	12	57		,	-	10	
9			cht sh	"	1	42	1.9	11	55		"	_	10	
10			,	,	2	*2	18	1,11	55	-	be	Cui	9	
11			"	etet oh	٤	41	1.1.	to	54		,	4	9	
Mid.			,	,	2	40	44	19	24			"	9	
100000		100000			1000000	The second second		1311111	1	100000		1 30 2 5 5 5 5 5 W	Control of the last of the las	

Longitude by Chronometer from Afternoon Observations ⊙	•	,	"
Longitude by Chronometer from Observations *	0	,	"
Variation of the Compass by Amplitude observed at Sunset	0	,	"
Variation of the Compass by at		,	"

under the command of Commander ast McCormick, U. S. Navy, Wednesoay Febry got, 1884. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences tuntit & and. blear opleanair. Bright moralight , Light bruge from 20.25. 41.8Pm blear Aplenaux. Lyts bruge from new. Querios 30.30.

(eys) ev Kellogg Levilue auch "gel oller to meridian Weather clear spleasaux. Barmeter riving, Cini clands. Breeze light from Who we SW. as 9 musteurs & wiepeated or quarters. 12 Lieux G.C. Benymon ugnic, is placed under purposein for 10 days, by order of Comy officer, for being under the nifluence of liquers - The following men even ableur from the ship without primisers, Louis Deistil (CFol), John thompson (Sea), MIH lex (CB), P.M. Sheehaw (C Jop), L.J. Schuman (Sea), Janus Megenty (Sea), I. I Euston (Sea), we Morris Do Ir), D. Swumin (booker), Jus Caren (1C#), wer Thompson (2C#), This. J. Wymne (Juniles), M. Suelevan (2004), J. J. Walton Q. Gr, of N. Frielesino Leas. M. H. Cox (1008), Janua Myntey Seas, J. J. Euston (Sea), N. Mooris (2 Gr, M. Bulleran (207), Tho J. Wyme Femilie, + J. J. Walton (2 hr) peturus to the Ship. Fins banked. accounter 31, 3h. (ags) K Rohner Tuilenaux Eye Mendeant " 4 Pm Weather clear & pleasaur, Barmeter clearly. Cining clouds, Lights bruge from Willer I forled Dail. Louis Desite (C tol) & J H Fruitiben (O Sus) returns to the ship (yo) W. H. Parker Linterant you 4t. 8Pms Neather clear the as aut, Barmeter rising, Light and from eve, Comis church. The banker. Western ones ar quarters at ver, the following men about withat lean, O'ne Sheehard (Fop), Louis Scheman (Sea), Jr. Thomprow by order of Comy Officer. aucrois 30.35. Districting water. (ogs) R. Rohrer Linkinger ager St. Midnight. Light brege from no 8000. Boismuter falling slightly. accenie 21.35. (Sgr). B.P. Reas Lichtware age

Examined and found to be correct.

Mooris declination = 12° 18' 07" &

Lewilewanh Navigator.

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude of

Variation of the Compass by

observed at Sunset

3 Rate, Guns,

l is under

CALC CALCALITY	· · · · · · · · · · · · · · · · · · ·
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Funchae	511 1
Quuchal	Madeira

		0	Tunch	al El	la	d	ees	~								
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	Paral feb 11d
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Sky, in 1	of the Sea.	Record of the sail the vessel at end of watch.
A. M.																
16	fau	char	chet 2h	ster #	2		3, 3.8			200		2	_	10	1	
2			1	7	2			13	1000	1000		be be	ai	10		
3			1	"	2		1300000	1.5						9		
5			1	4	,			4.	1333			"	',	8		
6			N	. ct	Z		100000	1,5				, ,		8		
7			,	11	2		3)	1,5	8	v3		"	"	5		
8			over th	arx	2		90	1.5	09	-3		1	1	8		
9			"	,	2		40	1.5	Si,	54		1	,	8		
10			. "	,	2			1.5				1	",	8		
11			"	1	2			1.4				"	,	7		
Noon.			4. A st.	HNY	7		*3	44	1,4	6		"	,	6		
	Dista	nce ru	n by Log since prec	eding Noon								•	knots	fatl	ioms.	
			D. R. at Noon	cuing 2100n											"	
			by D. R. at Noon										•	,	,,	
	Latitu	de by	Observations at No	oon O									•		"	
	Longi	tude b	y Chronometer fro	m Forenoon Observ	vation	s 0							•	,	"	
	Curre	nt du	ring the time	knots f	ms. pe	er hor	ır, setting	to th	ie							
	Varia	tion o	f the Compass by A	amplitude O observ	ved at	Suni	rise						•	,	"	
			f the Compass by A		d at								•	-	"	
			nded during the pro										3111	-		
			ceiro	during the pre	ceding	g 24]	iours						+1111		"	
			aining on hand fit for										49 ons 23			
			ned during the pred ning on hand at No									129		89	lbs.	
	0041	Cinain	ing on hand at 110	on .								/-/				
P. M.															1	,
Ve	rau	Lor	*	Zzw	*		30 Jg	1,5	115	57		be	Cu	7	N.	
2			nn	,	2		39	1,5	1,5	7		,	9	7	-	
3			7	"	-		38	1.5	44	54		1	4	6		
4			. "	,	2		37	14		51,		9	4	8		
5			,	',	3		37	61.	1,4	06		"	1	4		
6			"	"	2		39		1000	17		9	1	5		,
8			1	',	5_			17		17		"	4	1		
9			1	'	2	-		1.9				"	1	6		
10			,	'	3		100000	19	1/2	1		7	1	4		
11			"	,	3		-	17				,	7	3		
Mid.			,	",	3			17	1			"	,	3		
			-					1		1						
	Long	itude	by Chronometer fro	om Afternoon Obse	rvatio	ns O							•	,	"	

under the command of Commander at mc Commich , U. S. Navy, Thursday Febry 9 t. 1884. Connences cantil 4 Am blear scool. Moderate breze pour una. Bright moulifu and startiste.

avenis 30.3 fc. (200) w. M. homin mastereye Weather clear oplies out. Barmeter viving cloudy. Comis clouds. Light beight from It to Iw.

Fruit banked. Distilling water. Because on boars for one of crus 103 lls each of

fuch beef voegetable 4,06 loans ful bead. award baroweter 30.38

(egd, K. Rohrer Lieuterant agent Heartwo clear splies aut. Light bruge from New. Barrete viving. Martind as quarters as 9.00, + exercis 1st Dis as Single sticks, 2 ar Infantry, 3 at Point drill med havigators ar Suiglo sticks. By order of Coming Oficer orleans John Williams (Influent), from confinement, James Arlaw Olia, left the boat without furnicion & remains on show, accound 30.40 (Cys) let Rees Luitemants you Mounidian to 24 Bu Oleas and weather Moderate bregge from not, Franchens Chas orndorff (Ido Ef) with bag whammock to civil Hospilat on show, Saul Haldow (Ch Corpl) & Henry Taulsew (armour), returned to the ship 6 hours over time. aumid 030.34. (go) w nu drivin Master age tolear splemant. Sutte hege from 1020. Barounder ning. Masteres an quarter as sunset - amenid 3037 (ogd). CRRece Limberant 2900. Shu to Midnight There washer cloudy briends close front of watch, with light spirtling of raise fort hours Moderate breze from HH H- aunid 30.40. 15-51 33 8 Moon p declination = Just.

Examined and found to be correct.

Lutuant & Navigator.

LOG of the UNITED STATES Ship Essey"

Fundas Madeira

3 Rate, 6 Guns,

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	2 42		lear bs.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	tac	ch	24	Shaw	2		30 43	1.5	1	59		Lev	Zim	2	8	
2			7	,	2		43	11	1,1	59		"	",	5		
3			,	sex x	2				11.,	/		be	"	3		
4			414	,	3				11,			1	"	9		
5			,	7	2				10	/		"	Cui	6		
6			,	1	1		47	100000	100000		100000	"	"	4		
7			at th	,	2				09			,	"	6		
8			"	nsn	2				1, 11	1		,	"	9		
9			1	non	/				1/2			"	"	9		
10			4	7	1			1000	113	1		"	,	8		
11			1	7	1	-			1,4	/		"	,	8		
Noon.			1,	,	1		57,	10	14	7		4	"	9		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon ⊙	•	, ,
Longitude by Chronometer from Forenoon Observations ©	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, "
Variation of the Compass by Azimuth ⊙ observed at	, •	, "
Water expended during the preceding 24 hours	2111	gallons.
Water Macris during the preceding 24 hours	1200	"
Water remaining on hand fit for use at Noon	2049	"
Coal consumed during the preceding 24 hours	2 tons 59	// lbs.
Coal remaining on hand at Noon	127 "159	7 "

Р. М.								
Va.	anche It	t ns	4,	2, 50	15155	s be	Cui	98
2	,	" "	,	16	11, 11, 50		"	
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5	8	A CONTRACTOR OF THE PARTY OF TH	6 1	~~	118 12 50		1	
6	1	6 8.	2	55	17/1000	+ ,	,	
7		" "	/	14.	171115	, ,	4	
8		, ,	,	THE PARTY OF THE P	17/13 51	The second secon	1	9
9	0	4 ,	,	-7	17/125) ,	4	
10		11 1	2		1.8 /12 49		1	9
11		, ,	2		17/11/9		7	
Mid.		, ,	3		1.8 /1 "		,	9
		The second secon	THE PARTY OF THE PARTY OF		OF STREET		. 1	

Longitude by Chronometer from Afternoon Observations ©		,	"
Longitude by Chronometer from Observations *		,	"
Variation of the Compass by Amplitude observed at Sunset		,	"
Variation of the Compass by at		.,	"

under the command of Commander at Mc Command , U. S. Navy, Friday Febry 10th , 1887 Communes suntil 4 acce bludy recordial light shows of rain, Char & pleasant remainder of watch - Light brege from 2 - 246 - James Rolan (obea) returned on brand aucomo 30.40 bloo + pleasout Light bruze from 20 20 - Barometer rising, a Portuguese straum care in from De and anchored at 7 = anumid 30.47-To mendian Clear trans Light brigg from WSW - Long swell from seaward - at 900 wear to Queral qualter - Decemb at 10: - all Dier reported mady in 5 mi - Recent in 1.4. Broke our For Peak of four hold & Chamo bilges. Restord hold speak- By adu of Cours officer places James notan (otea) ni solitary confinement for B days on mad water for learny took while on duty. Auchid Farmult 30.00. Meridean to 4 km blear dilightful wearther - Light bruge from It & The Past Sherhar (C Fof) I Tityfratrick (Mu) Ins McKennow (Sea). John Thompson (No) ven brught If from show, + wer places in double nine for sof Ruping, being drink came in Hauchous Deutran office to present the usual for of civilia. Somand tilge pumps were verhauled thomas in good ader. (ogd) It. Kellegy Luntimant you 4 1. 8 BW Pleasant weather, light eartily bruge, an office from A. B. Mi Corvette "algenin" cause on board to believe thouse for the contines extended this afternoon Scraped & slucked spain. Rigger in , & congress home home. Seemend books for sea. Distitling, anim 30.00 Som to Midwight. Blear spleasur. Light breize from 6°, Ship rolling moderately to a swell from Sittle, Circuid 30 (egs) W. Kellegy Linteract (ghl) 1846128 morris declination = Vast Quarter Ex mined and found to be correct. Similarant & Navigator.

Longitude by Chronometer from Afternoon Observations ©

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

0.0

under the command of Commander at the Connick Saluroux Febry 11 to, , U. S. Navy, , 1883. Communed Funtil 4 aced. Weather clear theas aut, Light air from it to new. Baronula strady, ar 30 51. - Cludo cimo cumula schata. For backet. a strawer casher in and auctored, annie 31.57. (ego) R. Rohrar Luilewant yw bladg tool. Light brege from UX W. Made preparation for and, Spread fine ar 8". Reced on board in Pagir Depter for one of crew 133 llo push beef 106 lls régelables 4006 les hiad. aunid baroneter 31.5% (pgs) w.m. Somi Meater ages Clear tuana. Light brege from d'+w. Moderate evere from we ar 845 chain was reported ready, ar 850 castes all hand up auchor, homop pot auchor & stord out of Funchal Roads, at 9.2 trok departure from La Rock, beauty the, it 1/4 6, west out of Gorguello Island in cux cu 1/4 cu, st Sx cv. - Sent course sxel, four over feature log. Ships draft ford 13, 11, aft 15,10 - ar 9. - musteres ar quarter, ar 11 allowed steam to new during and at 11. 5 stoffed stearing & fauster fine, Called all hands win a de saine for royals, By ander foto Comy office the following named men were confining in dente cross for awais trial by court metal., P. M. Shechan (C Jo), saul McKenion (Peast John Freepan (Alas), & re-confined James holantos) Released the Fetypatrico (Pre, pur double none for oak Reeping. Louis F. Scheman Seas was anade a formine ar large. avenil 30.02. (ego) W. Keelogy Luntuans ge Mendean to 4 BW Weather clear oplies out, Barmeter varying from 31. 50 to 31. 58. deing water, Light air from 4x8 to 4x W. Cumulous Sounds, Ship videly easily to a fug purce from eve, ar 700 lost sleanings way + agrand the good. Dighted a steamer ar att brand planding to 100, and out for bow standing to fi. and out out fort bow standing to fi. and out of the standing to fi. and southed. (go) R. Rohrer Luitmont ager 41.1. Pw blear opleanur, Lift and from nx 8. hauling to not fushing. Long which tehip salling deifly ar times. , account \$30.00. · (Ago) Of Piles indicate the auto . April Into 8Pm Pleasant weather. Light breeze from U, handing to UE. & fushing they swell. Aship rolling duply by theres. account 30.00.

(legs) It. M. Invin Moster open St. Midnight.
Clear of Pleasant, Light bregge vering whauling from in to E. Bright plantight. Moderate severe from the america 311.51. Backer from bys, 10. Recently Linit apor Examined and found to be correct. Movis declination 20° 48' 58'S Mit Parken Last Quarte Similar Navigator.

LOG of the United States Thip Essex , 3 Rate, 6 Guns, Marking passage from Madein to Santa being

100	maningpussage from madein 11, valle one																
					WINDS.			BAROME	TER.	TEM	PERAT	URE.			ear is.		
Ho	nr. I	Knots.	тов.	Courses steered.		12	ray	Height in					State of the Weather, by symbols.	Forms of Clouds, by symbols.	7 104	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Fathorns		Direction.	Force.	Leeway	inches.	att'd.	Air Dry Bulb.	Bulb.	Water at surface.			Prop. Sky,		
															-		
A		,		- /xw	ENE			2	1	1	~	1		ac	1	1	0.11. '0
1		-	J	AXO	GNE	2		3059		1000			00	92000000000	-0	0.	al planisail
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4		2	0	",	",	2		171	his	118	54	44	"	"	-		
5		2	-2	7	,	2		50	1.3	11	56	1.4	1	Cui	5		
6		2	5	- 1	,	2		12	1.3	1,	17	44	',	"	5		
7		2	0	1	,	2		+ V	13	11	5)	14	"	,	7		It thank plus and to
8		2	6	,	nE	2			1000			14	STATE OF THE PARTY OF	1	9		It topmet plus and to for in the get stomats.
		2	6	7	,	,						1.4			/		
9		3	0									14	1	"	9		
10	-	-	,	10/ 2	1	2								"	9		
11	-	_		83/46	"	٤				-		14		"	9		
Noo	n.	4	4	,	1	2		03	1.5	1, 13	5	1.4	"	"	9		
-															1		
	D	istan	ce ru	n by Log since prec	eeding Noon								52	knots -	fath	oms.	
	L	atitu	de by	D. R. at Noon									21	. 28	- 3	4"	0
				y D. R. at Noon									10	. 30	r.3	3"0	W.
				Observations at No	oon O									, . 3	100		
					m Forenoon Observ	vations	.0						/(6 . 3	8.	- " •	W
				ing the time				ır, setting	to th								
									to th					•	,	"	
					Amplitude ⊙ observ		•		-					200	,	,,	as a second
					Azimuth O observed	at	00	em	/				-				
	V	Vater	expe	nded during the pro	eceding 24 hours									300	ga	llons.	
	V	Vater			during the pred	ceding	24 1	nours								"	
	V	Vater	rema	aining on hand fit fo	or use at Noon								20	493	K	"	
	C	Coal o	consur	ned during the pred	eding 24 hours								1	tons &J	0	lbs.	
	0	Coal 1	remain	ning on hand at No	on									"101		"	
														/			
P. 1	M.																
1		22	50	83/46	1.16	2		31.50	1.	1,5	100	1-	Le	die.	-	1	But sto topyt aliment
9	2	4		,	616	-			1	1000	1		Lep	Min	0	1000	of shortenas stered
	3	4	4	,	11	2			115				1	····)		Took in the pet fit stoails
-4	1		4						1000	1		1	je	P. s .	1		Lordan Fre pet peter vais
	5	4	-	4	"	4		100000000000000000000000000000000000000				14		Ci Kuin	0		42
	6	3			Each	2			1	1	1000	1.4		C	3		Food in steens and
	7	3	8	and wanty an		T .		1	7200		10000	64		Cum Um			7.
				1-	"	3			100	10000			bep	1	2		Look in ongel of topy sands
	8	H.	4	1	1	3			-			115		1	5		
	9	V	0	1	,	4	-	0.0	1.7	1.3	59	1,4	"	4	*	1	Josk in fin sail + Right
1	0	0	0	"	"	4		4	11.1	1. 2	17	14	"	1	4		nefes definide

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Mid.

Variation of the Compass by agricult at 4 Bm

20 · 30 · w

16 ° 39 '39 "W

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commune tuitel 4 am

Weather clear opplessant. Baronette falling, blonds coin-cumules. Light ais morn pur at 1 -. a steamer passes on our otto hand, Standing to St. Clends vieng to 20° +6° + paray to 20°, Jai bourles. accorde barmeter 30.48.

Weather clear pleasant. Gentle brigg from 20 46 -, Smooth Lea, with long awell from the . Several rail in pight. Set post topmast and toppaclaus alemane or 7.50 - Barmela riving, amenid at out fewalat 30.49. (890) C. P. Rece Luilewant Ugw

& to mendean

Very pleasant weather, Light breys Jum & & furhering towards close, Moderato evalls ar 9. went to quarters, Comor Office wifested ship x class, at 10 charges course to 51/16. and set main trypaid, Passed a British dearner heading north. Several pail on eight Confinements of Cong Ofice Where Jacken Holaw Oben from (201 co. M. Smin. Master you meridian to 24 km

Elear Apleasant with the exception of light square of wind train from 26 or 132.

Remainder of watch, light bruge from 26, Ship volling early to sweet from 200 4

W. at 12 2 took in fort stomails, & set sto, unt the lexception of lower. Or 1211 trok ai for topfet plusails, + ar 2 get them again. at 12.00 changes course to SSA. Three sailing vessels in eight at end findet. accound 30.44.

Hearten fleasant. Barmeter Juling. Clouds civins, cumules &mintus, Light bregge from &. a pail in sight artern I standing atomt HSH. & aurither on the Hot beau standing to 5 + Hr. Ship rolling easily to a sweet from H-. Jan toursed. Burnetter 30.43.

Bernutter 30.43.

Bushelu steady. Fork in Afull orgales at 6.5. + topquelant sails or 7. to check headerly. account farmenter So. 41.

St. Midnight Chendy Adamp. Frank bruge from 60, as 8th haules of four ail. as 9 troks sinfo refin Ispaail, + as 11 cleves down Topsails for cheak headway. Quenid 30.42 (Cys) H. He. Sumi Washingal

Monip dealmation 2, 46 23 8 Last Quarter

Examined and found to be correct.

Licilizant + Navigator.

making	hassage	form	madeira	to	Sauta	brug
11	1	1				1

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	DIV	Air Wet Bulb.	Water at surface.	Weather	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			,,	C								1,	, .		,	
1	4	5	Ssw	616	5		3, 44	464	61	57	64	box	chin	2	10	Topsails on Cap , Sight reefes .
9	4	5	"	,	5		43	64	61	56	64	be	4			lis.
3	4	0	1	7	5		41	64	61	56	65	beg	4	4	"	
4	4	٤	"	,	5-6		40	65	61	06	65	legt	i	3	4	
5	4	5	- "	,	5-6		45	65	61	0-6	65	bel	4	8	m	
6	4	8	1	6x 26	5-6		43	65	62	08	64	"	Cu hui	1	4	
7	4	5	- ,	East	5		40	65	62	2	64	4	4	2	110	Horister rufers Fopsails, Sen
8	4	0	7	"	5		40	65	12	08	64	1	4	1	4	Inwil , & for topmentstays in
9	4	4	Sx 6	,	5		41	65	63	vs	64	fe	4	1		Fork in Seb
10	4	0	886	,	4	1	42	66	63	55	64		1	4	1	
11	3	6	,	7	4	1	43	65	63	55	64	4	4	1	"	
Noon.	4	0	,		5.	,	43	6-	63	18	64	11	"	1	"	
							-								1	

105 knots 1 fathome. Distance run by Log since preceding Noon 29 .48 . 18 .70 Latitude by D. R. at Noon 16 . 30.00.11 Longitude by D. R. at Noon 29 · 39 26 "W Latitude by Observations at Noon⊙ 16 °50'00" W Longitude by Chronometer from Forenoon Observations⊙ Current during the time 43 knots - fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Water expended during the preceding 24 hours Lov gallons. Water during the preceding 24 hours 2 z 49 " 2 tons 4/0 lbs. Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours 120 " 607 " Coal remaining on hand at Noon

P. M.																
1	4	6	116	Exx	5	1/2	30 40	45	1111	18	1,4	Le	Cum	1	ne	Jane
2	2	20	186/26			1/2							4	2		•
3	4	2	1	4	4	1/2								5		
4	4	8	"	4	4	1/2	32	115	13	59	65	1	1	6		
5	4		4	E1E.	4		31	1.5	43	59	64	4	4	3		
6	4	8	4	4	4		35	115	13	19	64	"	4	1		3
7		5			4-5	1	38	15	43	59.	64	*	4	1		
		5		Ex 20	4-5	1				56	-		4	3		
		8		1	~	1/2	08	45	63	58	64	4	4	5		
	4		4	4	5	1/2				50			4	4		Look in france
11		4	1	1	5	1/2		1		5	-		4	3		
Mid.	3	0	4	',	5	/2	37	10-	63	08	64	"	',	4		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by aginuth at 4 Pm

16 ° 43 '45" 2

1 , 0 1/4 , " 1/4

21° 30' " 3

Wearho pleas aut. Bruge fruit pour EM & to E. Barniste Juding Moderate Sea. Claude curreller & minter. Fines banked. Or 7 to horisted the single one of Sofrails. Or 8 chaiges come for S. by order of Comp Office.

Of 8 chaiges come for S. by order of Comp Office.

Sega, R. Rohrer Lintenant again

Cloudy with moderate to fuch breze from & . Moderate Lea. Barrenter viving.

Hurled of to \$1 & at \$30, 4 to \$856 at \$5. Let four ail, haules daw jet, to

ent fortofernat stagian at 9. Set Main Frysais at 10. Mentions at quarter or

9:1 14 exercised 1 4 3' Dis, 4 Marin Transe ar Amade arms, 4 second Dis

at Single striks. Quinia barrenter 30.40.

(ego) b. P. Rees Lucilius 1 1905

Mendeden to 4 Phu Seen offering at internal, Fresh bring from Ex 2. Borondeta facting, Cer 1. 30 charles course to SSE to E. annie 3 11.35 (200) W. M. Invin Master agent

41. 1. Pres blear int heavy trade alondo Ever the hingson . Fresh heep from Ent Moderate sea. avenid 30.34.

(egs) W. Keelogy Limitations Agent 11. 8ther

Mathe flearant. Bornelle Jucking. Cumule clouds. Breeze moderate to fish from E. to Ex 26, Moderate Sha, Ship volling thicking easily. Ini banker, Quenie tamente 30.35.

(ego) K Rohner Lindenant ugo & bomiden she.

Sti Mideright.

Cloudy Apleasant, Moderate heep from Ex 86. Moderate Dea. Barmeton steady. Sighted Bernaigo Pt Light at 830, bearing Sx W/xw. Sprad firs at 930, braces latack, couples profector, frilewlaway & haules of foresail. Steam pressure at seed frontals 54 lls, Quina barmeton 30 33.

Steam pressure at seed frontals 54 lls, Quina barmeton 30 33.

Mooris deslination = 2,° 27' 37" & Sant Quarter

Examined and found to be correct.

Leculerant & Navigator.

, Rate, 6 Guns,

The second secon		the state of the s
makingpassage	1. Sauta	bung
81		

na	Ke	if	passage	E In Sa	eur	ta	ве	y	_							
				WINDS.			BAROMI	ETER.	TEN	IPERAT	URE.			Clear 10ths.		
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force	Leeway	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Cl Sky, in 10t	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	3	2	888/28	Exn	4		30 25	hu	62	.78	1.	L	Cu'hui	4	n	Luglementes offsals. Ingois,
2	2	4		"	1-4			64	10000	1000	1	"	THE STATE OF	6		
3	2	8	"	"	2-4		23	6.5	10000	1		beg.	4	5	-	for thought dagent,
	3	4	4	"	2-4		32			58		1	"	6		
5	4	2	Ism	4	3-4		33		62	1000	,	- "	4	1		
	8.	0	ist	4	2-4		33	66		09		"	4	3		
6	1	000	12/x6	ESTE	2-4		37	,		08		Le		6		
	3	5	6 41 2-1		2-4		32		-	09		4	"	5		
8	2		888/28	Ex>6	3	3		65	2000	1	,	4	Ci Cine + minter.	3		Cleves of formail
9		5	856	"	3	3	35	65	1.	-	1,		Ci Cun & Cum			curr of grusaine
	1	-	4	"	3	3	35	65-	1,5	59	10	4	"	9		
11	1	0	1,	4	-	3	3,	6-		54	1.5	4	"	9		
Noon.		0	"							/				/		
	Distar		n by Log since prec	oding Noon								83	knots 4	to fall	els	
				eding 1400ii									Allots 7		"	
			D. R. at Noon										0	,	"	
			by D. R. at Noon Observations at No										0	,	,,	
			by Chronometer from		ration	.0							0	,	"	
			ring the time				r, setting	to th								
			of the Compass by A					to th	6				•	,	,,	
			f the Compass by A			Summ	56								"	
			ended during the pro		u at								300	ora l	llons.	1
	Water	1000	nded during the pro		oodino	04 1							000	ga	"	
			aining on hand fit fo	during the pre	ceumg	24 11	ours						110		"	
													49	,		
			med during the prec										tons 7.7		lbs.	
	Coar	гешаі	ning on hand at Noo	on								117	" 207	1		
P. M.					T											
-	1,	,	24.1	6				1	1		,	1	Pour		71.	
9	Han	ichn	Offsaula bry -	Ex76	3	-	30 31	1 . ,		1		fe	la Cun	8	va	July all sail -
3				6 x 16	3		31	,		61	1,5	. 4	1	8		Pleasur.
			11	"	3		31	1.1.		61	1.5	4	"	8		
4			4	"	3		07	1,1		60	hr	4	11			
5			4	4	2		3,	11/1	45	-61		4	Cii	9		
6			1	4	2		31	17	10	-00		4	"	8		
7			1	-4	2		03	48	10	19		4	11	7		
8			,	4	2		24-	19	15	19		4	"	7		
. 9	-		6	1	2		35	19	43	59		4,	1	9		
10	1	1	Each	4	2		36	1/17	1/2	56		Z	"	10		

Longitude by Chronometer from Afternoon Observations ⊙		,	"
Longitude by Chronometer from Observations *	•		"
Variation of the Compass by Amplitude observed at sunset	0	,	"
Variation of the Compass by at	•	,	"

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Mid.

36 15- 11 56

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under the command of Commander at the Cornied , U. S. Navy, Tuesday Febry 14th, 1884. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commence Hox Air Cloudydoool, and light rain shower fatter fact. Light to moderate bruge from Extl. Heavy sea, I ship rolling duply. Barmelo faeling. as close of watch Bernago light bore Sev 1/2 W. award 31.31. (oga) lo re moin Master ugu 4t. face blear. , belondy war the hongow, occasional light spite frain. Light to moderate breeze from 20 to a daufight sighted the El end of Teneriffe Island. Standing in to the hastor of Santa bong during watch, Turnes our engines as back, & carried away the tolts in countating ord. Repairing engine unawder fualate. Banker fine. arenid 31.34 (egs) W. Keelogg Lientenant you 8th Meridian Heather clear & pleasant. Barmeter Jueling, Clouds caris cumulus, cumulus ar 8: haules by the wind on first tacto, thoules up the fore ail. ar 9: mustered + inspected and at quarters, Exercise 1st 2 + 3 - Dis as Imallam. also the Marrin Guard & Martins Did, the Ponder did at single sticks. Fine banked. Engineers force refairing the Engine. Meridian to 4 Pm blear spleasant. Sente beege from Ex 26. Starter engine ar 12", fur the ship before the wind, store in sporter are sail, + starter in for the auchorage. Came to ar 1,4" in 20 pers water, vocesus to ton from an fort chave. Bearing four auchange, Senty box no 14 21. Santa bong light Swx cv. - Banker fine, account 30. 28. Sent book with office for american Consul who visited the ship (sgr) & P. Reed Similariant cyl Pleasant weather Light breeze from 6x26. Light severe from seaward. Frie bouker. at Sunger peur down myar good. Quemid 30.31. St., Mideright. Olean Apleasant weather Light breeze If the land Ex El. Fine banked. Querio banneter 30.28. (Ago) W. A. Parker Luculewant oger Monis declination = 19 45 0-6 1 Las Lualte

Examined and found to be correct.

Levilenant & Navigator.

LOG of the UNITED STATES Ship Essex
Out another Santa Bruz

3 Rate, 6 Guns,

								1		-						
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	Cento of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			C						,			,	0.		1	
1			€.	146	1		30 07	44	1/2	57	-	be	Ci	9	1	
9			26	E	2		37	1.1.	41	55		"	4	9		
3			& nE	1	2		36	44	41	2		b	4	10		
4			6	"	,		36	15	1,2	57		. 4	_	10		
5			4	4	,		37		100000			le	as	9		
6			4	',	,		. 28	1.6	1,3	58		4	4	8		
7			4	1	1			1,6				"	"	6		
8			4	4	1		41	44	1.3	59		4	4	8		
9			4	4	1		41	1.1	44	60		4	4	9		
10			818	ENE	2		40	47	65	19		4	4	9		
11			,	16	2		42	11	115	59		4	1.	9		
Noon.			"	"	2		41	18	1.6	60		4	4	9		
													-	1		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, "
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon⊙	•	, "
Longitude by Chronometer from Forenoon Observations⊙	•	, ,,
. Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,,
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	350	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1599	7 "
Coal consumed during the preceding 24 hours	2 tons /6	811 lbs.
Coal remaining on hand at Noon	115" 49	7 "

THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	STREET, SQUARE, SQUARE				The second name of the second										
P. M.	•														
1	€.		6	3	30	41	116	44	1,,,		be	Cui	9	5	
2	"		"	3		39			100000		,	1			
3	"		4	3		#1	1				"	4	9		
4	7		4	3.				15			1	1	9		
5	"		4	3				45			,	7	7		
6	4		4	3					1.11		,	",	7		
7	,,		1	7				1.	1		,	"	-		
8	,		4	2				14	1000		1	"			
. 9	,	,	4	2				1.4			1	,			
10	20	5		1			10000		18		1,	"	9		
11	,		,	2				1,3	0		"	11	9		
Mid.	11		218	2		48	1, ~	1,5	18		"	"	9		
1				19-143-9-19	1		1000	100000	1	The state of the s					

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

under the command of Commander and ast me Cormick , U. S. Navy, Wednesong Febry 13th, 1881. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commence Stor 4 auce Commence Stor 4 auch fine Banker fine auch 30.24. Clear Aplement. Lift air fund Mx E. Lifts severe from Seanand. Avenid 30.28.

(ago) en 26 Invini Moaster eyen It. mende an blea verant. Light breeze forms not 8° i at 9 30 court to general quarters, all ready at 9° 1. Second at 9° 1. Setting of Miggen riging, amind 30,38. Mendeau los Pm Mentians to 4 the Barmeter cleady being clouds, but breeze from 6. Suis braked, brew suployed setting up migger rigging theaking down the taen stage - avenit barmeter 31,31, (pgs) K Robert Limiterant year 4ti. 8Pm blear Ppleasant, Light breeze finn 6, to note - anima 30. 38. Shu to Midnight.

blear of bleas aret. Zight breeze Jum E, autil 11, when the mid haules

from If the land 21 E, anema 30.40.

(25)100 Reelegy Luidenant yeu Mooris declination 16 43 14 M Last Luculia

Examined and found to be correct.

Jo 18 Park. Navigator.

LOG of the UNITED STATES Ship Essex

, 3 Rate, 6 Guns,

							4		-						
			WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear Oths.	State	
Hour. Knots	Fathoma.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.		6	6	3		36 44	1.5	15	56		Le.	Cum	5	1	
2		"	',	U			45				"	"	6		
3		7	,	05		42	1.5	1,0	+6		"	"	8		
4		"	"	•		40	1.5	-43	01		"	,	6		
5		"	"	3		40	les	13	14		"	"	6		
6		"	'	2			hs				1	,	8		
7		"	,	2			115		-		"	Ci	9		
8.		"	,	-		44	45	1,3	7		1	"	8		
9		"	. 4	2		45	1,5	1.4	18		1	1,	8		
10		"	1	2		46	1.4	10	-18		4	"	9		
11		1	,	1		47	1.6	hi	-17		"	"	8		
Noon.		,	4	2		XY	1.4	45	7		"	',	8		
Distar	nce ru	n by Log since prec	eding Noon									knots	fatl	noms.	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon		, ,,
Longitude by D. R. at Noon	•	, "
Latitude by Observations at Noon⊙	a	, "
Longitude by Chronometer from Forenoon Observations⊙		, "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,,
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	291	gallons.
Water received during the preceding 24 hours	800	"
Water remaining on hand fit for use at Noon	2109	"
Coal consumed during the preceding 24 hours	2 tons 2 3	
Coal remaining on hand at Noon	113 " 26;	, "

P. M.											
1,	ESE	16	2	30 43	1.1.	1.1.	19	Le	Ci.	9	2
2	"	ESE	2	43	1	1000	1	,	"		
3	,	7	2			11		7	'1	8	
4	1	,	3	40	49	10	18	7	4	8	
5	4	,	3	40	18	15	09	, ,	Ci Cuw	8	
6	6	8	3		10000		19	4	,	6	
7	,,	1,	3	40	118	1.5	77	"	",	£	
8	,	",	3	40	1.8	14	4.8	"	1	8	
9	,	"	3				08	,	,	9	
10	"	1	2				7	9	1	6	
11	"	"	2			1000000	57	,	"	7	
Mid.	"	1,	,		1	1.5	1000000	"		8	
			17 100	A CONTRACTOR OF THE PARTY OF TH	1	130000	1000	STATE OF THE PARTY		10000	121-121-1

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by at

Examined and found to be correct.

Truiten in & Navigator.

LOG of the UNITED STATES Ship Essex.
al auchor Sauta bruz

3 Rate, Guns,

	winds.						BAROME	TER.	TEM	PERAT	URE.	Contract to	Forms of	Clear Oths.	State of the	
Hour.	Knots.	Fathome.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			C.	6	2		30 41	1,5	1.3	59		Re	Cuw	6	T	
9			"	',	2		40	15	113	08		",	',	7		
3			"	,	2		49	1.5	1,3	09		"	him	2		
4			,	,	2		49	1.5	1.2	~8			',	2		
5				,	*		36	1.5	1.2	4		7	",	2		
6			",	',	2		36	10	1,3	58		,	Com him	2		
7			,	,	2		39	hir	63	18		4	Cu Sto	3		
8			1	,	v		40	1.5	1. 4	2			4	3		
9			,	,	,		40	15	1.5	08		,	C' Cum	5-	8	
10				7	2		41	1.5	1.4	of		4	",	6		
11			1	,	2		43	1.4	44	of		4	Ci	7		
Noon.			"	,	2		41	11	44	18			,	8		
			n by Log since prec										knots		noms.	

Distance run by Log since preceding A Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 200 gallons. Water expended during the preceding 24 hours Water received during the preceding 24 hours 2609 " Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours 2 tons 770 lbs. 110 " 1737 " Coal remaining on hand at Noon

P.M.												
1	Exil	Each	1	2. 38	11	1.1.	58	Le	Cu'	8	5	
2	',	,	3		1000		59	7	',	8		
3	",	,	3			1000	19	4	"	8		
4	',	,	2			1000	·vs	"	4	8		
5	,	,	2			1	58	4	"	7		
6	",	,	2			1000000	19	4	6	6		
7	1	,	2				58	.4	4	6	1	
8	,	,	2		10000	100	7	4	4	6		1
9	"	,	2				7	4	,	9		
10	,	',	2				77	4	,	8		
11	7. 8	nE	2	38	1.7	13	57	f		10		
Mid.	"	"	-	3)	1.1.	63	57	4	-	10		
1						17 17 18	10000			Control of		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset.

Variation of the Compass by

at

under the command of Commander att ne Connich , U. S. Navy, Forday Febry 17 t , 1884. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences Auntit 4 aus Commences Auntit 4 aus france 62 : anenia 31.411.

(Spr.) 10.16 ellogg Lucilians Upw 4 to 8 and Meather clear splear and. Barometer riving. Clouds counts-status, Counter to monitors. Light briege from 6-, Dictiting water, amind 3, 35. Clear oplement. Light briege pour 6'-, Baronater vising. Musteurs at quarter at 9°0 + exercises at gener gums. Cleaned bilges. and 30.35. Clear xwann. Light brege from 62, Baroneter faeling alightly, Re-stoned Hold. (egs) to ne Immi Mastu ogen' blear & pleasant, Light bruge from & 2 at 5. 45 menteur ar quarters, Secund batter for sea. By order of Comos Africa, Henry Gilberts (Sin mate) was frank in dolitary confiniments for ordays on bruse xwater, for drinking begins on town I ship. Covered 30.35. (Sys) W Reelogy Luitwart of Ste Moioright
Blear Apleasant, Bright startiste. Light heeze from E- accine 30.3d.

(Pyv) & PRees.

Similariants 1900 Morn's declination = 7 26 03 8 mais moon Examined and found to be correct.

Longitude by Chronometer from Afternoon Observations \odot

observed at sunset

at

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by

	ar auchor Santa Ony																
Ī	WINDS. BAROMETER. TEMPERATURE.																
	Hour.	Knots.	Fathoms.	Courses stoered.	Direction.	Force.	Leeway	Height in					State of the Weather, by symbols.	Forms of Clouds, by symbols.	li of	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Fat				Lec	inches.		Bulb.	Bulb.	surface.			Prop. Sky,		
	A. M.			26	16	,		3n 31	11-	1.3	58		of.	Ci.	4	2	,
	1									1/12	19600			"	4	11	· A CONTRACTOR
	9			"	"	/				112				main.		"	
	3			',	*	1				,			ve le		2	"	
	4			1	1	1				1/2			re	11		7	
-	5			7	"	1				12			"	. "	3	1	
1	6			1	116	1				13	1		1	"	4	7	
-	7	2		3'	816	/				1,4			4	,	7	"	
	8	6	0	SSAN	"	2					08		"	"	6	" .	Topsit , tof4tt. + orgals
	9	0	-	ST	Ĝ,	3		42	10	-1,5	of	111	9	Cum	9	5	Foresit + lib.
	10	4	0	1	"	3		42	1.5	17	1,5	11	4	"	8	1	
	11	4	0	1	4	J		41	1,5	1.7	1,	11	7	"	9	9	
,	Noon.	4	5		,	5		39	15	67	111	111,	"	1,	8	"	
Ī																	
	1	Distan	ice ru	n by Log since prec	eding Noon								26	knots -	fath	oms.	
				D. R. at Noon										8 . 11.			n
				y D. R. at Noon										6 . 21			
				Observations at No	on O										,	"	
				by Chronometer from		tions	.0							•	,	"	
	-																
				ring the time				r, setting	to th	е							
				f the Compass by A			Sunri	se			*					. "	•
				f the Compass by A		ed at								,		"	,
	1	Water	expe	nded during the pro	eceding 24 hours									300	gal	llons.	
Water Moin during the preceding 24 hours 700 "																	
	-	Water	rema	nining on hand fit fo	or use at Noon								30	09		"	
Coal consumed during the preceding 24 hours 2 tons /6 0 lbs.																	
Coal remaining on hand at Noon 107 " 2117 "																	
=																	
	P. M.																
	1	4	2	Su	8	3		3, 37	1,7	1,-	1.18	11	be	a:	8	1	all plane sail except fly
	2	4	4	"	"	3		1	1	1	1	11		"	8	1	lit espaaker,
-	3	2	0	,	88	1		-رنی							8		
	4	,	,	Sulva	886	2				1	58		"	"	8		deflying dit.
1	5	,	4	Sev	86	1			,		58		"	11			1
	6	,		0 00	100	1					17		,	1	1		Sam
1		/	0	"	Eug	1					57		"	1	1		,
	7	1	5	',		/		1			7		"	"	6		
7	8	2	0	é'	(1		41			1700	1.5	1	- 4	7		
	9	3	0	Sxw	8	2						1.5		4	9		Let Formant etay sail
	10	4	5	"	4	2		40	1777	1		1,5		7	9		Aspander
	11	5	0	0",	"	3	-	40	1.5	1/2	57	1.5	"	,	9		
-	Mid.	5	0	SMXS	,	3		37	15	1.2	57	1.4	,	"	9		

Examined and found to be correct.

Clloni declination = 1' v3' v3" 8

Leulenaut & Navigator.

LOG of the UNITED STATES Ship Esses Rate, 6 Guns, Maring passage from Santa brusto Porto Praya TEMPERATURE. State of the Weather, by symbols. Courses steered. Hour. Knots. Height in Ther. att'd. Direction Fatho A. M. Seux 8 Ci S. all plui sail 3 3,35 ho 13 57 hs 44 35 /14 hzo6 hr 3 8 2 Took in weather clew of 3 3+ 14 1256 hs 34 14 h - 16 14 3 0 34 14 11 57 11 2 2 Arwandwolens of mains as 2 25 1/1 1/258 hr 3 46 ٤ 36 44 112 58 114 Sparker ofer topuent Rlaysens 38 11, 14 49 14 8 3 40 11 11 11 11 9 to 1,5 1,5 hn 1,5 60 39 11/1 1/1 /11/14 3 11 38 11 16 40 15 6 Noon. SF knots 2 huth Distance run by Log since preceding Noon .37 Latitude by D. R. at Noon · 49 31," al Longitude by D. R. at Noon · 34 su w 26 Latitude by Observations at Noon⊙ 015.15.00 Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the S. 85 W Current during the time .92 knots Variation of the Compass by Amplitude ⊙ observed at Sunrise 220311 Variation of the Compass by Azimuth ⊙ observed at Jaw 200 gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water remaining on hand fit for use at Noon tons 200 Coal consumed during the preceding 24 hours 107" 1817 Coal remaining on hand at Noon P. M. Sux8 ai 4 34 hr hy 69 hr 0 h5 h4 59 hh 115 h4 59 11 33 hs 14 59 ho 9 15 1409 15 42 15 14 54 115 #4 35 18 13 58 15 10 # 3 37 18 12 58 11-10 Mid. Longitude by Chronometer from Afternoon Observations ⊙ Longitude by Chronometer from Observations Variation of the Compass by Amplitude

Variation of the Compass by aguint

Connece out dentity and Commence als demetit y accorded when the start of the accordance of the server of the

Sto meridean

Blear ter arm. Light to moderate truge from &?, Sevent Sea. as 95 mentemed as quarters to Coming officie inefected ship town. Some detached & making & two as and of watch. annie 3,38.

(Rys) W Kellogy Friedenant agent meridian to 4 PM

Heather clear repleasant. Barroweter facting slowly Bench bear from E. Cissis clouds. Survet Sea. accume tarmenter 30/29 (91) x Robrer Levilinaut of

blear & plearaux. Gente breze from E. Sunt Sea. hew morn. Accessed 30.30
(egs) B. P. Rees Leeck. agen

1.1. 8Pm Clear Aplender weather, Bright starlyher. Light breeze from E. Souvet her Avenis tarmeter 3031.

Sto Midnight. Blear Apleas aux. Light brege from Ere E. Smont Sea. ar & changed course 1. Sw. Jook in spanker & laules of weather clew of mainsail, Some making 15 1. 17 hours, arening 31.31.

(250) W Kellogg

(250) en Kellogg Seine nyen

Moons declination = new mon

Examined and found to be correct.

3 Rate, 6 Guns, LOG of the UNITED STATES Making passage from Santabrusto Porto Braya BAROMETER. State of the Weather, by symbols. Courses steered. Air Dry Wet at Bulb. Bulb. Water Height in Ther. att'd. Direction. A.M. 10 A all plani pail to ayalo. 3n 32 hs 13 18 11, 15 13 58 11 30 15 13 18 11 Weather clas of marrial 30 45 1,3 58 11, 4 1.5 13 59 11 11 35 45 1,3 09 11. 7 36 hs- 124 hu hh 8 Shorten and to topoals 36 11-14 11 1/1 9 Sc /15- 14 1.119 10 26 11, 11/1 1, 14 11 36 115-16 111/11 Noon. 107 knots of fathoms. Distance run by Log since preceding Noon · 55.10 .50 Latitude by D. R. at Noon Longitude by D. R. at Noon 0 54 34 120 Latitude by Observations at Noon⊙ 000 Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude O observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Facu 21.50 Water expended during the preceding 24 hours 330 gallons. Water during the preceding 24 hours Water remaining on hand fit for use at Noon tons 300 Coal consumed during the preceding 24 hours 107 "1517 Coal remaining on hand at Noon P. M. 1 311 30 1,5 1,5 1, 1,5 115 114 ha 115 3 15 14 lin 9 3 4 115 113 /11 9 30 taules of areaster clev of 15/13/11/17 9 Hair al, Bratis of 15 14 111 17 10 JL 15 14 11/17 10 0 Ser for toponal Rline ais. 33 17 44 61 61 33 17 14 14 14 10 11 Mid. Longitude by Chronometer from Afternoon Observations O Longitude by Chronometer from Observations Variation of the Compass by Amplitude Variation of the Compass by Azumah at 4 Am

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commune as & to 4 acm

Perfect wearter. Genilo to moderate brege from E. Bright startiff smorthea. Quenid tarmelie 3, 29. Soger K Rohrer Lieux uges

41. Jan

blear efleasaux. Underate brege from " o the humant lea Barmeter viny. Lok a respir the Elain pail ax 7.3°, arenia tarmeter 30.30.

(egs) b.P. Kees Lieux agen

Sto Meridian

Oleanant weather, mederate bruge from 6 Er 6., ar 50 rigger target & trok in sported royals, toffeelant pails, flying Lib, sport themand staying, handes of courses. as 5th braces at acid main your sport targer over, filed array and or bear to General Quarters, are wis cart love a 6 min. Bear putners on 900, all dir secund ai 4 min, Exercised or Jarger practice, expended 3. 80 shor percurin sheel, 1. Sin vec sheel, 4 Sin 25 lls chayes, 8 gin v per chell. 8 gin 111 lls charges, 2 60 Kar percurain sheel, + 2 60 Par 8 lls charge , at 900 tacker thip + stood for the tatyer, at 10 - called all hands work ship, beleased Farry les life boot + high tayer about , Hinted + secund life boot. , Or 11 attros away on comme SW, piped down Amade are plani Rail, Quenil 30.05. (sgo) wone Imin made up

Clearpleman. Light bregs from & 26. Swooth ha. Or I Summary Come Martie for the trial of his Thompson (Sea) concerned, the following warmed officer Conforcid the Court, It a 14 Parker Pres, P. a Paymante L. a joke + Levis K Robier, member , + 1 Leint O.C. Bengman Recorder, Sutucted 140 Sec of Boys at Studies & lamouship. By order fling office P. M. Sherhow (7) was believed from confuerious & made a forming ar large. award 3028.

(290) Wheelogy Lieus eyes

41.1. Bu Weather clear spleasour. Baronette steady. Sea smooth. Light to junt breeze from 6. Pumper ship our, Sex pour for topmant strusail. noticed a very bright metror, bearing about S6, + which moved sopidly from Sw to 26. for a considerable distance, the books in the payments thee, amusi 30.29.

(pys) it Robins Lines ugw

blea Apleasant. Gente brege from E. Smooth Sea. Barruete ming. aumin (egs) C. P. Rees. Levis refer

8th. Midnight, Welightfut we active. Il oderate bruge from 6; hauling to MEx E. Haules of Maripail, Haules down + stones offing Let. anemid 30.58.

8°56'20 A Mornodechuatian = New moon

Examined and found to be correct.

17 Hrank Seculeur and S Navigator.

LOG of the United States Ship Essex 30 Rate, 6 Guns, Making passage from Santa brug to Porto Braga Courses steered. Air Water at Bulb. surface. Hour. Knots. Direction. A. M. Supo nEx & to prails . Topfelt sails roga 30 30 ho les lu les-Sib oficed . J. If he steries 30 17 ho- 11/15 2 6 + Topinal stagail. 301 11, 14 11, 115 6 31, hr hy ho, hy In 15- 14 her 17 6 32 h5 h + hm h) 6x26 32/15/15/11/17 Let fout main Tof4th 35-17 17, 12 17 fe 36 1.8 17 12 17 10 34 18 1,5 1,3 1) 0 4 11 3 32 18 11 12 17 126 knots 2 fathoms. Distance run by Log since preceding Noon Latitude by D. R. at Noon Longitude by D. R. at Noon 007 43 Latitude by Observations at Noon⊙ 003 Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth O observed at Jaw Joo gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water Water remaining on hand fit for use at Noon 2079 tons 300 lbs. Coal consumed during the preceding 24 hours 107 "1217 Coal remaining on hand at Noon P. M. 7 & let flying dib. Seview 30 27 1.8 1.7 /12/11, Le 27 18 17 12 11 40 26 18/1/ 12/1/ 27 1.8 61 11 41 40 2) 11: 1.1. 1.2 1.7 2 7 6 11/1/1/247 3 5 32 1.5-17 1.1 17 10 3 33 115 17 13 3 3371/7/14/17 10 218 11 Mid. 6 Longitude by Chronometer from Afternoon Observations O

Longitude by Chronometer from Observations

Variation of the Compass by aginuth at 4Pm

Variation of the Compass by Amplitude

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communer dewitt 4 au. blea. + pleasant. heavy dew. Sunoth ha. Light to moderate huge from 26x 6, Scous making 18 to 22 tum. and 31, 23.

Weather Clear of leasant. Gente bruge from En & to 6x 26. Se a survet. Ship steady. Quemid 30.29. (20) 11 Robert Lieux ages 9th Minden

Elear Apleasant, Genete to moderate bruge from Ex el. Smorth Sea. Ser les clev of main vail, + toffaclaux étimisails at 5.º. Musteun ar quaites at 9.º., au d exercised 12 Dri at priot gran, 22 Dis at Drigh sticks, 3 Dis aus marin Grand at Small arms, Rigged sets find torpedo gear and attached fuge, By ander of the Comog officer the following named men were given extra duty, Roll worley hear 2 days, J. K. Bastfort, (108) Edays, Wm Simpow (10B) 2 days, Me Muelin (1cB) 2days, J.E. Dealing 1082°C) 2days, SP. Imalfield (1CB) v days + EB. Wenders VCB, 4days, aumid 31.27.

(20) B. P. Rees Lint age

men de an to 4 Pm

ble as the asaus, moderate breeze from E-, fueling light latter fact. Regist out tropedo brow, + explodes our exercie tropedo., Regist in; aunid 30.24. (pgv) W m Inom master uper

4t. 1. Pm

blear pleasant. Light bruge from 6. Smooth Lea. at V. - calles all hands to muster & read Charges of findings of Summany Court martial in the care of John Thompson (Seas, charges with devotiluine of order & desinderly Conduct or shore the ship's tour. The sentence of the liner was do focus. I to be placed in solitary confinement in double non for 25 days, By order of Cornoj officer released by Gilber & me mate) from confinements. and 30.2 & (ago) W. Kellogy hear upo

Weather clear oflegraus, Barruete viving, Light bruge from 6%, Bright startight Smoot Lea, Ot I Sounded the call to Several Quarters, 4 1 Nis care hover & ferris a prime in 5.20, Africa a sheet in 11.50, Securd Dis #1 gun cart love referris a framin in 3 30 t puis a sheel in 7-28, # 2 gum cart love & fruis a primer in 3 min. & fruid a sheel ni 8 min. The 32 Ord cart love & fruis a fruin on 520 x fruis a sheel ai 7.20 (sgs) il Robert Lewis ager

It midinght. blear Apleasant, Huid fiffel t. ranging from 6 to 21 E. Smooth Lea. Hauled of he blew of manipair as 52°, & ser it as 10. avere à 311.2 4. (go) C. PRees Leins liger

Monis beduration 13 00 04 N

new noon Examined and found to be correct.

> my Park. Lecileraux Navigator.

Ship Essex 3 Rate, G Guns, LOG of the UNITED STATES Making passage to Porto Praya TEMPERATURE. BAROMETER. State of the Weather, by symbols. Record of the sail the vessel is under at end of watch. Hour. Knots. Air Dry Wet at Bulb. Bulb. surface. Height in Ther. att'd. Direction. A.M. bep Ci Swhw 9 A Place pail to orgalo. Experter 3. 26 /18 hs-1/2 h) Le 24 18 11, 12 117 Sparke + acatu clus of in Sail 23 19 1/1 1/2 17 ales dof 41 + dofine stevendo. 20 19 16 12 47 25 17 11/1 12 47 be Sti Les weather class fire Saic 25-61, 1,9 1/2 1,7 26 17 119 12 17 Cui 27 17 17 12 17 86x6 27 17 18 12 18 Food in port cleurant + Let spouker 28 17 18 13 4) 25-17 18 14 18 Ex hg hg hy h8 Noon. Distance run by Log since preceding Noon //5. knots _ · 23'19"20 Latitude by D. R. at Noon Longitude by D. R. at Noon 37 34 Ze Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ 20 fms. per hour, setting to the & tx cv /2 cv Current during the time 9 knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Water expended during the preceding 24 hours during the preceding 24 hours 1749 Water remaining on hand fit for use at Noon tons 3111 Coal consumed during the preceding 24 hours Coal remaining on hand at Noon 107" 917 P. M. 51, Suxwirw SSE Le I I Celplain pail except 14 30 so hay highy his 15 HSW mansail 1/4 15 19 18 14 18 1/4 15 119 1.8 14 18 1/2 8 19 18 14 18 o Stx 8 19 70 70 11, 1.8 1 10 871xW 76 71 41 118 9 22 70 71 17 18 2 0 8843/400 71 70 47 48 9 0 70 11, 118 10

1-2

observed at sunset

Let lee clew of M Sail

20°2530" W

11

Mid.

0

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by

Wednesoay Febry 22, 18 fr.

RECORD OF THE MISCELLANEOUS EVENTS OF THE

Commences story and. Moderato breze from Ex 36. Bright starlight. Queried 30.18 (25). Co. 116 Inniv Macherys.

belear & pleasair, Light bruge from 6.0 . Souroch Ma. aunie 30.30.

(egs) W. Kellogg. Line vyn

It. Mendian Weather clear ofleas aut, Burnetw falling, Breeze gentle to moderate from SSE to SEx E. Smooth Sea, as the write haules ahead, took in there are, per spanka, Abaced of on for tock, at 9" musteurs in infected cons or qualen. By adu of Comy officer. R. E. Henry (ICB), and Karl Jacobow (Sas, were
quin sdays extra duty for mining mubber & shirting, aucuid 30.14.

(pgs) K Robier Lieux yes

Mendeau to 4 Peu June vanaible fit ful. Smoother. Avenid 31.13.

(egs). b. P. Rees Leint (ger)

Pleasant weather, Briege light thefut, at 430 attempted tacking, but, the wind hauling while in stage, + falling light, went off on the da tack, at 540 came to the course & \$100/4/00. Haules of main pail. accenid 30.13.

(ggo) W. M. Sevin Masta ager

blear & pleasant, Calin fris hour Light and from Ese E. Sut hour. Survet sea. Jook in Stanker. Sir le clew Amainsail. Quenid 311.16. (20) W. Kellogg Swick reglo 1. tr. SPW

It. Midew ght. Stor Mederi Jet. Weather Char of land Barmeter steady. Light huge from hEx H. Sea sunt. Morrow set or 10.30. Greenid 30. 118.

(2001 K Rohar Livis Open)

Monio declination = 16.49.05 A

Examined and found to be correct.

Mit Parke Leweler aut & Navigator.

-				1:	1					1	1						
					WINDS.			BAROME	TER.	TEM	PERAT	URE.	Contract the	E	of Clear in 10ths.	State	
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is unat end of watch.
	A. M.	1000		11 2						1,	,		0	Cú		0	
	1	3	0	SSWHW	16x 6	2	,						be	Cu	9	15	
	2	3	0	"	,	2		20	10	1.7	1.5	18	43	"	"	1	
	3	2	5	,	,	,		19	20	17	1,5	68	"	4	1	1	
	4	3	0	,	E	3		19	69	17	115-	-68	be	1	1	,	
	5	4	2	4	16	U		20	1.9	17	1.5	68	,	11	,	"	
	6	J	2	,	,	Ci		28	1.9	1.7	1.4	68	*	7	"	,	
	7	F	0	"	,	4		25	1.8	1.1	1.4	68	"	4	"	1	
	8	4	8	,	ESE	3		26	1.8	1.7	1.5	68	,	1	,	"	
	9	4	4	+	4	3		27	70	1.8	1.1,	68	1	,	1	1	
	10	4	6	,	4	3						6+		1	1	1	
			0			13						68			1	,	

Coal consumed during the preceding 24 hours tons 300 lbs

Coal remaining on hand at Noon 107 " 617 "

1434

1				The same of the sa	1	DESCRIPTION DESCRIPTION OF THE PERSON NAMED IN COLUMN 1	BELL MARKET	THE RESERVE		THE RESERVED		Sharp and the same of the same	Charles and		
P. M.															
1	3 /	26	8x10/200	16x &	3	30 20	70	70	11,	18	Le.	Cui + Cui ste	8	8	-
		5			2	17						"	8		
3	2	5		9	2	The second secon		71	200		4	"	8		
4	2	0	"	,	2			71				"	8		
5	,	8	,	"	1000						Leg	4			
6	1	6	"	,	17000							1			
7	2	6	1	Earl	2			10000000			· bc	4			
8	3	0	,	,	2			9000			2	4	1		
. 9	2	8	,		2						ch	_			
10	2	8	,	6.16	1	The second second					4	_	10		
11	2	100000	,	,	2						be	Cui	9		
Mid.	2	8	"	,	2						1	,	9		
Annual Control of the			A STATE OF THE PARTY OF THE PAR			A CONTRACTOR OF THE PARTY OF TH									

Longitude by Chronometer from Afternoon Observations \odot

Water remaining on hand fit for use at Noon

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Commences at 4 acce before variable efitful, Smooth sea. Barmeter falling Der weather cleve of Maris and at 300, Questid 311,13, (2001) C. P. Rees Liet after 4th Fall Obeasaux weather Moderate heep from St. hauling to ESE. Set Spacker at 6, ax 90 baced in 4 sex put fortrepart aut, Fore t Main Infall aut, Fore t Main Infall aut clean ails. accernic 30.19.

8 th mendian

8 th mendian

blear pleasant, Light bregs from Este, Smooth Lea. Or 9" mustures & niepection or quarters, 1st Dis exercises or Howryen dile, 3° & nongalas or single stick, 2° at Small arm. Mubeur foresail & bear old new one, aremid 30.15. The following names new over give extra dety, Ins. B. lookans (10B) for missing muster & pureary on Quartir deas ordays, Robo Hooley (Sea) insubordinate to Copl of the Sward & days, R.a. Insibile (Sas, for carrying a ongo on his ferson 10 days.

(pfs) W Reelogy Sient reput

Mende aw to 4 PM W, and at 12 - to Sx w/20. It Robert. Suits Upw.

blear spleasant. Hazy annua the hirizon. Smooth Sea. Light since enting in from 62. Musteurs at quarters at 4.45. Accounted 311.14.

(pgs) C.P. Rees Suinten aux ugw

1.1. SPM

Heaite sharaur. Lyhr bruge from & ... Bright moon vetartight. Light evere from &. Auch Oremia 30.14 (God) Whe him master uges.

St. Mederight.
blear spleasons Light hage from 626. Song morderate severe from n'400;
morn per ar 1125. Quenna 30.16.

(Djs) W. Keelryg Lieut Ugw

Monie decluidin 19°34 50 W.

Examined and found to be correct.

Lewler aut X Navigator.

LOG of the UNITED STATES Ship Essex. Making passage to Ports Praya 3 Rate, Guns, Record of the sail the vessel is under at end of watch.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Cle 10ths	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Wet	Water at surface.	Weather, by symbols.	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	
A. M.	2	8	Sxcolow	ENE	2		30 ig	70	66	1.8	1.8	be	Ste	9	2	
3	3	0	"	9	2		20	70	11	1.8	1.8.	"	"	9		
3	3	0	"	,	1		20	20	41	1.8	18	"	,	9		
4	3	0	4	1	2		20	70	64	18	48	bem	,	9		
5	13	0	4	1	2		20	69	17	11,	19	be	ai Sto	8		
6	3	6	"	,	٤		20	69	17	11	19	6	-	10		
7	4	0	7	,	2		22	69	18	11	19	"	-	10		
8	5	4	,	ct6x &	٤		23	69	48	1.1	19	"		10		
9	6	0	"	,	2-4		28	69	71	17	19	,	_	10		
10	6	4	,	6	2-4		30	70	71	18	1,8	4	_	10		
11	6	0		"	24		27	71	711	1.8	18	be	Cui	9		
Noon.	6	4	4	,	2-4				71			6		10		
100000000000000000000000000000000000000	The Parket	Company of the last	The same of the sa		-	-	-	-	-	-	manual .	-		1	-	

Distance run by Log since preceding Noon

86 knots — fathoms.

Latitude by D. R. at Noon Longitude by D. R. at Noon

18 ° 55 '58" 20 21 009'00"00

Latitude by Observations at Noon⊙

18 .51 .29 w

Longitude by Chronometer from Forenoon Observations⊙

21 012 4500

Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at Water expended during the preceding 24 hours

Water during the preceding 24 hours

1099 "

Water remaining on hand fit for use at Noon

tons/380 lbs.

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

106 "1477 "

P. M.						-								
1	2	0	Sxw/zw	EN6 3	30 27	71	19	1.1	18	b	-	10	2	
2		0		1 3		70		9399		4	-	14		
3	1	11	7	, 3		70			and the same	Le	Cui	9		
4	1,	"	,	, 3		10		700		of	_	10		
5	5	5	1	Exebo		70					-	10		
6	1	11	"	, 3		70	10000				-	10		
7	1	1,	,	, 3		19					-			
1000000		8	,,	,, ,		19	100				-	10		
1000000		9		, 3		1.9		3.00	100		-	10		
		4				19				,	-	10		
11	1	0		, 4		711	100	1			-	10		
Mid.				, 3		711						10		
				BARRIES CONTRACTOR SECTION			-		/			"		

Longitude by Chronometer from Afternoon Observations ©

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

St. Midnight.
blear sivara, sky anelmded. Bright moneljehr tstartijke. Log swell fran
r. E., Anemia Ju. 18. (gd) A. III Sumi Master uger

Mornis declination 21.13.00 2 Fix Quarter

Examined and found to be correct.

Making hawage the Porter Braya

	The state of the s	Section 1	1					-			-				-		
			1		WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather,	Clouds, by symbols.		of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M.	1		1./.	6,20								9			9	
	1	11	11	Dxupa	0 x 20	3		3025	70	119	11/1	1.8	ate m		10	0	all plani pais, for e top
	2	1	1	"	,	4		22	10	1.8	11,	18	',		10		mast. 4th glt. y main
1	.3	3	2	,	,	4		. 22	20	1.8	11	1.8	',		10		Top get alward.
	4	9	0	"	,	4		23	76	119	11,	119	"	-	10		
	5	7	5	"	Each	5		21	70	70	1.1	1,9	"		10		Jostin Manirail & Sparker
1	6	8	0	7	ENE	5		24	10	20	1.1	19	"		10	1000	Voet main Ing pail,
1	7	F	0	,	7	~		20	70	10	1.1	1.9	"	-	10		
	8	8	5	"	1	~		2)	70	70	1.1	19	0		10		
1	9	U	8	Swxu/2 w	,	~		28	71	12	1.9	19	be	-	8		Braile of main Try sail
	10	7	4	,	,	4		28	"	> =	1.9	19	6	Cuns	9	1	Laules daw for stagsail
	11	6	4	,	, .	4		27	12	>0	91	19	"	-	10		Afgring fit.
-	Noon.	6	0	,	, (3		28	73	77	19	19	"	-	10		1000
1																	

160 knots - fathoms. Distance run by Log since preceding Noon 16 022 36"20 Latitude by D. R. at Noon 21 0 34' - "00 Longitude by D. R. at Noon 16 °13 '24" 20 Latitude by Observations at Noon⊙ 21 °34'30" W Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 330 gallons. Water expended during the preceding 24 hours during the preceding 24 hours 769 "
tons 200 lbs. Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours

-	The Party of the P		-			1	CALL STREET, S			-				-		
	P. M.															Look in orgat on
	1	5	4	Swxn/2w	Ect 6	3	31,28	53	75	18	19	8	_	10	8	chinails
	2	5	0	HSW	"	3			75							
	3	5	0	"	"	4			75		10000			10	"	
	4	4	4	"	"	3			17			"	-	10	"	Let myses at 430
	5	5	5	1	21 €x €	3			>6			"				Der sett fore to me stimal
	6	5	5	1	1	3	22	74	75	68	19	,				. ,
			0		, ,	3	2)	74	75	1.8	19	,	_			
	8	6	5	8 it/2 cr	1	4	27	74	74	18	19	1	_	10	11.	Frod in Topment Stemase
	. 9	3	0	Sot/200			27	74	20	1.8	19	"	-	10	1	" " orgals
		1000		1	. ,	5	26	73	23	18	19	"	_			
		1	2	THE RESIDENCE OF THE PARTY OF T	",	5-	24	10	70	17	19	11.	-	10	"	
	Mid.	6	2	"	,	4	24	20	69	1.1	19	1.	_	10	1	
	The same of the same of					The state of the s	THE RESERVE TO BE A STATE OF THE PARTY OF TH		1		SHOWING THE REAL PROPERTY.					

Longitude by Chronometer from Afternoon Observations \odot

Coal remaining on hand at Noon

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by Azuinah at

106 "1177 "

3 Rate, Guns,

Me Huis	hassaed	A. Porta Praya	
0	1		

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Wet	Water at surface.	Weather	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M	,		SALA	15.5			2			11	,	1			9.	00
1	1	2	DARIN	16x 6	3		30 24			10000	/	-		10		Place sail to top let sail
2	1	1	1	"	5		23	72	72	1.1.	1.9	"		10		exceps main sail, Inyo air
3	1	2	"	7	a		21	13	72	1.1,	1,9	"		10.		sparke + etapail,
4	5	1	"	"	4		22	73	12	1.1,	19	",		10		Jorkin Jop 4t sails & formail
5	1	11	X	4	4				72			",	_	10		Jonas
6	43	3	71×26	,	4		25	75	72	1,9	19	Life		10		Ser for pail + top glt.
7	3	1,5	"	26×26	4		28	71	73	1.8	119	"		10		Ser for pail + top glt.
8	3	55	zizuw	,	4		29	73	23	1.8	119	1		10	1	
9	6	0	"	"	4				20		1000	Es .		10		
10	4 2	0	n 1/216.	1	0		. 26					Il.	-	10		
11	7	0	4× 2	,	4		28	71	74	19	11	,		10		
Noon.	2	0	nu6	"	y					-	111	. "		10		
															0	
														ku	the.	

139 knots 6 fathoms. Distance run by Log since preceding Noon 14 052 - " 20 Latitude by D. R. at Noon 23.30 " W Longitude by D. R. at Noon 14.59. "20 Latitude by Observations at Noon⊙ 23° 29' "W Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 200 "00 Variation of the Compass by Azimuth ⊙ observed at Facew 300 gallons. Water expended during the preceding 24 hours Water received during the preceding 24 hours 1500 " 1969 " Water remaining on hand fit for use at Noon 3 tons 1,90 lbs. Coal consumed during the preceding 24 hours

-	-	-			-	The same of the sa	1	process.	1	-			-		
P. M.															Steam .
1	5	-	11/476	216×26	4	30 28	5.5	76	1,	49	· ba	_	10	me	Backer fins
26	s au	Lov.	Ect &	"	4		1	78			a		10	0	/
3			"	. 4	4			77		7	11		10		
4			"	, ,	4		1000	77			4	-	10		
5			1	,	u			76			"	_	10		
6			,	7	4			74			4	-	10		
7			"		4	24	71	73	14		1	-	10		
8			26	4	4	20	71	73	14		4	_	10		
9			21×6	,	4	25	7/	12	13		4	-	10		
10			, ,	1	4.	20	71	71	14		"		10		
11			,	,	4	23	711	70	14		"		10		
Mid.			"	"	5	23	71	20	14		"	-	10		

103 " 487 "

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Coal remaining on hand at Noon

a

Mendeau to 4 Pm blear warin & hazy. ar 12 = sighte a high land, heaving wx 21, Raws wi for anchorge off Porto Braya, and are 200 let go att anchor in 8 fms wali. & veened to 45 fme abain formand of bits, Bearings fm anchorage Quait bil light hax w & Punta Temmoro en Ser. (pc). (pp) b. P. Rees Luit - eggs.

Obesaux weather. Fresh brigge from new n. moderate since to ship rolling larily, at 5" event to quarter it seved our clean hamments.

anemid 30.06

Shut, midinght
Wearhow clear spleasant. There feel four nx 6. Hazy about the homen.
Item factor's districting water. Bright num setantifie, The sectioner factor as me stat land, standing into the harton. they carried as purning lights. Quemia 30.17.

(sgo) Wheelogg Sines eyer

Morris deceleration = 2,007",0" S Fint Quarter

Examined and found to be correct.

Trulinant & Navigator.

Longitude by Chronometer from Afternoon Observations ⊙	• /-	"
Longitude by Chronometer from Observations *	• ,	"
Variation of the Compass by Amplitude observed at sunset		"
Variation of the Compass by at	. ,	"

4-6

Mid.

2076 701,5

10

under the command of Commander att McCommick, U. S. Navy
Monday Febry 27 1889 , U. S. Navy, RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Connecices that 4 are blear Aplearant. Moderate huge ai equalls from Mx E. Ship weling goody. Dutiting water. Anemia 30.18. (ago bRRees Luis agos Clear aux aveacter, Strong brege for nE. Ship rolling deeply at times. Souther hammon Ko. action 30. 15. Sto Mendian Lazy & pleas aux. fund huge from 21. E. Huning in puffs, ar 10 mustimes at quarters themes in clean hamments. Shif rolling about 10 to swell from 6°, arenid 30.15. Com j Official left the ship to make official visits on shore visits on shore · (egs) at Keslogg Luis ugas Mendian to 4 Pm Clear & pleasant. Districting dung watch, as 300 the american Comme the Military Commandant & the Boumons aide vinted the ship. 4 h. 80m Sto Midight

Story, pleasant, Stry they Howing in Juffs from Extle land.

Shop soling to sear, Stry they Howing in Juffs from If the land.

Shop soling woderstop, Amenia 30.12

(250, 10 Keelogy Swir ages. Ollows declination = 19.° 34 40.3 A

Examined and found to be correct.

Terilenant & Navigator.

under the command of Commander att mc Cormick, U. S. Navy, Lucaray February 28th, 1882 RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commerces soutit 4 au - Ceacher clear opleasant. Bruge moderate to frak from UEx E, Bright more vatarlight. More ser as 3. award 31.05. Clear spleasant. Fruk brege from 20 Ex E. Barrette puring, Calles all hands af anchor at 7.00 Bot weder way setend out at 5.00, bount for Posto Grande. Sel'd st Vincint. anima 30.09. Reed for use of ship's les 13 Elle lack of furt berg + regetables + 97 loaves of bread.

(20) & P. Rees. Suis ages St. mende air blear twarm. Moderate breeze from 20 & E. Son out Lea. Went to quarter ar 920. Exercis 12 22 Dis or sigle sticks, 3 4 Ponder ar small ams. Mauri Guard at 3 in bruch louder. as 9 20 troto departures. Rikina grande South braning no 1/4 6 He), See Points W 1/4 W. Ship heading wx 26. Shaped come to new, & ner lis for topman stays and + main Tysail, at 11 charged come to new 1400, By order of Comy Office the following named men were give extra duty. we evanue Las, for assautling shipinate, 3days. The Fiftatuck one, for unolence to Cape of Enand & days. Um Simpson (1 CB) out funiforms + dity 1day, aremis 30.00 (200) win Inm Master capes nuidian to 4 Ph Hazy worn, moderato breze for 26, Sunt her. aris estoffer liquid xloven 1 a tout, to pick up a minkey, which had primped overboard. beut ahead again at 12 tat 200 fat sight of land, when last reen 3 min before it bore & St. destructed appointed Bays of water at studies, Eggins making 3 x to 35 Rev. Anund 30.06.

(250) W Reelogg Lust upon

4/1.6Pm Weather clear & pleasant. Though lay about the honizon, morderate broge from n.E. Sea sound. Unde steam, fusion 31ll, xxx Res. as re eighter Fogo Illana beauty for Mu x S., amina 31.18.

(290) K Rohner Lewer Ofen. acenio 30.13. Straining, frama 57 lls. + no 52. (sgs) bother Laur cegar Sto Midight
Plenant weather. DKy cloudless. Fruk breeze from U.E. Bight moon +
studight. Revolution 02. Steam Vh. Us. anis 30.14.

Examined and found to be correct.

monio declination = 1708.07 A.

First Qualto

Tott Parken. Navigator.

" (Lgo) W me Somi master uge

Wednesday mch 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & toyan Hazy. pleas aut. moderate breze pour H E., Smoot Sea. Engues making from 301 to 30 tem , award 30.06.

(Sys) a Reelogg Leius agul

4t. face

Weather clear spleasar, Stiff buye from n.E. moderate Rea. ar 620 eghted high land bearing to, unto, at 624 changes course to it by order of Come of officies. (ogs) KRobier Lint lyw

blear with stiff brege from 20° + 6° Bough sea. Changes course at 8 to 106, 4 box in for & aft rails, the Island of Dan autoris in sight designalat. Sifted Aldon't for Various at 9 to, bearing 626, Marteus ar quarter at 9" + excessio 1st Dis + Marin Grand or small ance, 20 Dis untruction, 30 + Onoder Dis at sigh sticks, at eur fantals mening along under Island of At Vincens. aueni 30.12.

(ye) b.P. Rees. Suis cogn.

Meridean to 24 Pm Pleasant weather with stony hege from 6 46. Long sea, & ship fitching deeply. Renning along slaws of structures, at 1." enteres the har for of Porto Grande, Ixaaleer see hands brigship to auchor, ar 1: The go fort anchor in 9 from water, vering to 30 from a por chain. Rie Island beautho, at 1200, old Fort SEX 8/46. Bankes fine light. Revis a vist from Seelect officer also from Captain of the Port, their an Officer to care on as Coursel, with tender of the armae cirtities, Consul visited the Ship. armis Eigenein Martin Berrigton reper recent official restification from the hang Nept, from the Just of Cader Eigeneen. Deems to 500 from a post chain as the 18 from the Just of Jus

blear spleasaux, Frak brege from n'+6°, moderating troops und faatab Le growing amonts. Baroneter ming, aven is 30., 6.

Sti Midnight
Pleasant weather. Moderato brege with occasional squalls from Ex E. Bight
mornlight, votatight. Quesio 20., 6

sqs. Were Innie master eyes

Monis declination = 140/ 17.1 &

Examined and found to be correct.

17, 14, Marken Quilenaux X Navigator. LOG of the UNITED STATES Ship Gerex

0	nt	0	Grand	t Sel	2 4	10	fu	· ·	ee	1	5 -					
				WINDS.			BAROME	TER.	TEM	PERAT	URE.			lear ths.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is und at end of watch.
A. M.												-				
1			6.16	no	4-6		3025	- 70	19	1.1.		Leg	Ciw	5	Zu	
2			"	,	46		25	71	1.8	1,1		"	"	5		
3			cr &	"	3-6		23	70	18	15		1	"	4		
4			"	"	3-6			-70				1	1	2		
5			1,	1	2-6		19	10	1.8	1.4		"	"	6		
6			"	4	3-5		19	70	1.7	1,5		,, (C'Cur	8		
7			"	"	4		22	70	17	1.5		,	1	F		
8			ctéx %	,	4		20	12	1.9	1.1.		"	1	8		
9			"	"	5		20	72	20	11,		',	1	8.		
10			1	1	1,		26	73	71	1,1,		"	"	9		
11			,	,	1		25	-73	71	1,9		"	"	8		
Noon.			',	"	/		24	24	72	1:1		"	,	8		
		_														
1	Distanc	ce rur	by Log since prec	eding Noon								V	knots —	_fath	oms.	
J	Latitud	le by	D. R. at Noon										0	,	"	
1	ongitu	nde b	y D. R. at Noon										0		16	
J	Latitud	le by	Observations at No	on O									'o	,	"	****
J	Longit	ude b	y Chronometer from	n Forenoon Obser	vations	0							•		"	
-	Curren	t duri	ing the time	knots f	ms. per	hou	r, setting	to the	3							
	Variati	ion of	the Compass by A	mplitude observ	ved at 8	Sunri	se						•	,	"	
	Variati	ion of	the Compass by A	zimuth O observe	d at								0	,	"	Na garante
1	Water	exper	nded during the pre	eceding 24 hours		,							300	ga	llons.	
-	Water			during the pre	ceding	24 h	ours								"	
1	Water	rema	ining on hand fit fo	r use at Noon								1	269	,	"	
(Coal co	onsun	ned during the prec	eding 24 hours								2 t	ons / 0	40	lbs.	
-	Coal re	emain	ing on hand at Noo	on								84	" 17	39	"	
	1				1									/	-	
P. M.												0				
1			n 6	26	4-6	,	3, 22	73	71	17		be gin	Cuw	9	di	
2			"	"	4-6		20	74	72	17		"	- ,,	8		
3			Geto	"	4-6		20	23	12	11		"	"	8		
4			1	"	46		19	74	72	11,		"	1	8	1	
-	The second second		,	6.16	6			74				,	"	7		
5		-	The state of the s		1000000				70	11		',	"	6		
			,	"	5		20	14	10	The same of						the Real Property lives by the Park Street of the P
5			"	"	5			14				. 1		6		
5			1 1	" "	5 4		12		70	11,		, 1	"	6		
5 6 7			1 1	" " " " " " " " " " " " " " " " " " " "			24	73	70	61,			"	6 5 6		
5 6 7 8			11 11	1	4		24 24 26	73	70	11,		,	"	5		
5 6 7 8			n n n e	1	4		24 24 26 28	73	70 70 70	11,		, ,	"	56		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Thursday march

, 1882

Communes Leutit 4 au

Hazzy, pleasant. Occasional strong proffs of wen't from it E., from over choland, Ship policy early to a severe from annual RE from of hastor. Brifts monlight. account 30,14, (go, corkelengy Twist type)

4th face ble ar & pleasant. Und genoring fuch from the funds and fundate, Barmeter puring, brases light youds, aunt it 30.16.

(gr) b.P. Rees Luis ages

Elear with my strong count from 26. Rough sea. as 920 went to quarter, Enemain 1242 vin as single stars, Masters Die + Marine Juand at Amare Como. It mode Dis at passing pander, Broke out fore hold of fore peal. Cleaner bilges 1 + richard hold of Peak, Wind furlering, ar 10 = let go Attaucher, venny to 34 fms at capstan on str chair, and were to go for at chuir pipe on for chain, at 11" sent down toffallaut yards thopfallaut monto, accessed 311.12

(sgv) w. no. Sum master uges

Mende si to 4 PM Blumy a merderale gale, and frequent very heavy equals from our the land, Shef rolling from 10 to 15 is al way. aunit 30.16.

blondy with strong huge from Ex E, moderating latter fact, Heavy purce polling for the brothing deeply ar time, Hauter fine ar 5. Que is 30.15.

(40) 40. M. Amin Manter oper

Som to Midnight.

Hogy, pleasant. Moderate brege with occarmid lyte operales

from I fit law, Ship rolling 10 to 20 each very, anima In. 18

(gus 10 Keeling Sunt rye)

Moonis dealuration = 10° 21 56.8 x

Examined and found to be correct.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			26×6	16x€	1		3,, 20	10	18	14		leg	Cine	6	En	
2			"	"	T				18				,	3		
3			"	',	5		20	70	18	14		1	"	V		
4			646	"	4		17	70	18	14		1	1	1		
5			"	,	4		18	20	18	11		,	1	3		
6			1	"	4		20	70	1.8	11		',	4	5		
7			4	"	4		21	71	18	11		"	"	6		
8			"	"	4		28	71	19	11,		1	1	6		
9			4	"	¥		24	12	20	11		1	"	1		
10			1,	76	4		26	12	70	1.1.		1	1	2		
11			1,	7	46				71	-		1	1	6		
Noon.			',	"	46		22	23	71	1.7		"	"	6		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	. "
Longitude by D. R. at Noon		, ,,
Latitude by Observations at Noon⊙		, , ,
Longitude by Chronometer from Forenoon Observations⊙	0	, " "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		. "
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	30	gallons.
Water peaceir & during the preceding 24 hours	200	, "
Water remaining on hand fit for use at Noon	260	2/ "
Coal consumed during the preceding 24 hours		40 lbs.
Coal remaining on hand at Noon	83 " 17	37 "

P.M. 1	-	1			-	-				-		-
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P. M.											
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		nE	nE	1,	3,17	72 71	1,5	beg	Cum.	7 5	0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2		"		1		1000			,	8	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3		,					,	"	"	9	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4			6.16	5			11,	1	,	8	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5		"		1			11	begun	1:	5	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6		,		1,			11		1	4	
8 9 26 1 10 10 11 11 11 11 11 11 11 11 11 11 1	7		,	7	1	A STATE OF THE PARTY OF THE PAR	The state of the s	1			The same of the sa	
10 " " " Y 20 2, 19 lis " " A A 11 11 " " Y 20 52 18 lis " " A	8			uE.	1-			,			-	
10 " " " Y 20 2, 19 lis " " A A 11 11 " " Y 20 52 18 lis " " A	9		26	',	4				"	1		
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10		"		4	20	2, 19	1.5	1	1	A	
	11		"		y	The state of the s			1			
	Mid.		"	,					"			

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

under the command of Commander ast molormica

, U. S. Navy,

Friday March 31

, 18 82

Commences the 4 am Heather clear, & pleasant. Fresh breeze from 26 x 6, Cumulos clouds. Barmeles street, Ship rolling early, Bright more + startight. Councid 311.14.

410 face. Clear of pleas out. Noderate brege from 20 Ex E. Barmeter vising Heavy quel, I ship rolling about 10° lack way. Arenie 30. 14.

St. mende aw Hagy pleasant, worm, Micheale truge at communament funtale, which gradually aremain to they have from 26. Ship rolling from 10 to, 15° sach way. Or 9 th deut to free quarters, are ready in 2 min. - Surtureted cyrial daw. Comog Oficia left the shift to make official visit on shore. aunid 30.14

pgo, W. Kellogy Sins up.

Ounter clear & pleasant. Freak bruge from 26, Barmeta facting Cumber clouds, the Eighit Shawer "Ford Hope" went to Sea. and the Pacific please hangation Company Steamer "Iberia" cause hi vanchoud. Shift polling éaily. Deur a liberty party on shorr. Boats enus employed in sanking betrugtacso of thats. Auhaules forward tilge fempe sprude their in good orden aunid 30.07.

Que, R Rohrer Suis agen

41. f Pm

Hagy pleasant, moderate gate, with fur pour heavy squalls from n. E., with 7, when the wind moderates to first bruge, Ship rolly 10th, 15. Sent maile to U.S. Moneight after purset. - annie 30.0 8.

(40) Wheelegy Levit uger

I to Midughs. blear & pleas our weather, though comewhat equally though Briege anderate to ful from U. E., Barnete steady. a back care into the harbor, + anchores' If our fort bow - The Eight strane "Hercule" went to be a, aunis 30.12 " - ship rolling lasily atoticid several Black fil felging off our fort heave & quarter (go) K Robier Livit aged

Moon's declination = 6 19 0 1 ct Just Quali

Examined and found to be correct.

Wit Parker Levilerant & Navigator. LOG of the United States Thip Esser

Porto Grande St Vincent

, 3 Rate, Guns,

					WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	V	Clear Oths.	0	
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	227 12	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A.M.																
	1			Est &	n &	4.5		3115	50	1.8	14		Len	Gi Cum	. 2	n	
	2				,	4-0		19	20	1.8	1.4		Tep "	,	3		
	3			¥	,, \$	4-5		13					"	,	3		
	4			,	"	4-5		12					1	1	1		
	5			,	,	4		13	30	1.8	1,4		"	",	6		
	6			26	',	J-		16	21	18	1,4		1	1.	5		
	7			4	4	4		18	12	19	1.5		,	1	5		
	8			,	,	4		19	22	1.9	1,5	-	",	,	7		
1	9			"	,	4-5-		20	11	19	1.4		1	.,	3		
	10			"	,	4-5	-			70			1	1	7		
	11			,	,,,	4-1-		18					1	,	2		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, ,,
Longitude by D. R. at Noon	•	, ,,
Latitude by Observations at Noon⊙		, " "
Longitude by Chronometer from Forenoon Observations⊙	•	, ,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		, ,,
Variation of the Compass by Azimuth ⊙ observed at	۰	, ,,
Water expended during the preceding 24 hours	310	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	235	9 "
Coal consumed during the preceding 24 hours	tons 3	
Coal remaining on hand at Noon	83 "143	

	P. M.								-		-				
	1			n E	766	4.5	30 14	71	20	1,4	Leg	Ci Cun	P	A	
	2			"	,	4-0-				13	"	1	2		
	3			26x6	",	4~				10	"		7		
	4			"	,	4-5-				113	"	"	8		
	5			EnE	,	4-5				14	"	-/			
	6			"	11	4-5				1+	"	1	4		
	7			,	"	4-5-	200000000000000000000000000000000000000			14	, -	"			
-	8	•	100	,	,	4-6	16	11	18	Ind.	,	1	2		
	9			4	,	3-4	17	711	18	12	"		1		
	10			,	"	3-4				12	1	1	2		
	11			1	1	3_5			1000000	1/2	1	"	3		
	Mid.			"	1"	30	17	71	18	12	1	111	13		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude — observed at sunset

Variation of the Compass by

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences they are blandy spleas out, Fruk no trades, Ship oveling easily, Barmeter faeling. aums as (ogs) beken Lieut ugw. 4 to 8 au

Hazy pleasant. Moderate brey pund 26. Ship rolling from 8th 12°. Querid 30.12.

I to Mendian Weather clear replicated. Boundle falling plurly, Cini Cumules clouds. Moderate to find bruge from ME, at 9° mustures & mispeas for quarters, formed Sawe Amid (104), absent from the ship contact leave. Pumper ship out. Paid mouth moneyto, com. The English stranes "Dago & Castrourie" care in & auchored. The English Chame Steria went to sea, diffing her colors as she passed us, which compliments or returned. Quesid banneter 3, 11. Confining Wom Scrippen (1CB)

in duste ime for a afe keeping, by ade of Consid of Price.

muideau to 4 Mw.
Char & pleasant, Barmelte faeling. Fort no trades. Moderate Rea.
Leur liberty fearly ashow, Evenied 30.10
(op) lorres Jeins ofw
41. 8 DW

Neather clear of ble mount. Barruelte rising, Breeze frust in squallo from NE. Claudo Cino Cumulas, Et Forde Sds, I deserted the 12 whole book, while she was an show or the 5th fort. Award 30.10

(Sgs) K Rohmo Lewit Uger Spruth Midnift.

blondy of pleasant. Moderato breze in squallo from NE, Barruelte steady aumin 30.10

(Sgs, BPRess, Vii. agg)

(go bother Leins age)

2 06 30 N Monis destruction = First Quarta.

Examined and found to be correct.

LOG of the UNITED STATES Ship Essy Porto Grande St Variable

, 3 Rate, 6 Guns,

vessel is under

		1	//						-							*
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Balb.	Water at surface.	757 - 12	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the v at end of wat
A. M.			8.5	7 0						,		Log	0.	,		
1			616	26	4		30 11	211	1.8	1/2		org	Cii	6	n	-
2			"	"	5		30 11	711	118	1,2		"	"	7		
3			"	"	4		15		_			"	"	4		,
4			,	"	4		15	711	17	1,2	-	"	1,	(3		
5			1	"	4		12	11	17	1,2		de.	,	3		
6			"	,	4		14	711	17	1/2	_	,	Ci Cum	2	-	
7			1	,	4		15	111	1,8	12		,	"	I		
8			4	,	4		7	211	1.8	1/2		3	"	2	-	
9			',	,	3		17	711	1,9	1.2		Les	"	5		
10			Cr6x 6	,	B		18		The second			0,	1	8		
11			"	1	3		18	71	1.1	1,4		1	1	6		
Noon.	-		"	,	4		18	71	70	14		1	"	7		

Distance run by Log since preceding Noon	knots	fathom	S.
Latitude by D. R. at Noon	0	, ,	
Longitude by D. R. at Noon	0	, ,	
Latitude by Observations at Noon⊙	•	, ,	,
Longitude by Chronometer from Forenoon Observations⊙	•	, ,	,
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,	,
Variation of the Compass by Azimuth ⊙ observed at	•	, ,	,
Water expended during the preceding 24 hours	32	gallon	18.
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	201	7 "	
Coal consumed during the preceding 24 hours	201 tons 30	U 11	os.
Coal remaining on hand at Noon	"//	37	

P. M.												
1	n 6x6	26	4	3,11	211	71	14	Lan	Cu'	.5	m	-
2	"	"	4		1	1000	15		1,	3		
3	,	",	4		P. San Co.	350000	14	",		4		
4	,	1,	4		100	130000	114		"	-	-	
5	"		4			1	1,4		Ti Cun	1		
6	,,	1,	4		1000	1000	14		1	1	-	
7	,	,	4			1	13		"			
8	"	,	4			100	113	,	1-12/10/10/10	2		
. 9	"	,	4	THE PERSON NAMED IN			14	1,		6		
10	,	,	4			1	13	1	"	er		
11	"	,	4			10000	13	1	"	3		
Mid.	"	,	4				12	,	"	6		
-		ACTION AND ADDRESS OF THE PARTY	The state of the s		3000	/	Continue of the					

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

under the command of Commander at MC ornued , U. S. Navy, Queday Morch 5th, 18 87 Commerced factil 4 acc Clearaux cocachen. Moderato breeze, with occasional squallo from 26, Long coule & ship vocing deeply at times. Barruele strady. account 30.11. I (ogo whendring master of) 41. facul Weather Clear & phasant. Barmeter sing planty. Cimis - Cumulus clendo. Moduate bregge pour 26. Recis on board for one of crew 140 lls first brefs 140 lls regetable 111 lower break. avenix 30.11 theather guennely clear of leasant. almosphere ranghagy. Calles all hands to muster at \$100, and forms the following manual order about workers leave or of the expension of leave, viz. Same Smith (10 #1, Seo. W. Horner (PM), Jas. H. Ruy (CB), J. E. Dealeng (ICB), & Enoutgonery (ICA), wow braig (Funisher), James Tielefie (E. Ber sout), EB. William (1 CB), (Ed. Forde (Las), Seux reward for all abeuties, montgioneny, Gillespie, Hornes + braig, returned on fraud at James . P. King Calso, It. De In four Feb 22/82, wow morris In get to Call from Feb 22, Janus P. King In h. It Unite from 28 Fely, In Lynch from CHds to Doto. from 28 Felry, By ada of Coming Officer Jas Mi General Wear is placed ni double funis for lange, for abusin language in big. tis desirated (in Seamon, for domination new on luty. a German bank left the Later at 114. Isatutes by dipping her colors, Relations the saluto, meride on to 4 Pm Worm, cloudy, mity, moderate breze from 2 E. Ship volling larily, Barnuela falling, busines 34.04. The Mayor of the City with middley Commandant virited the Ship.

(sy) wondown made uge Bandula pleasant. Moderate heeze from HE, with occaminal equals, Bandula juing Guerrie 30.11

Ope, BRRees. Livit light Pleasaux wearker. Moderate beige from HE. Barmeta vising aunil 20,10 (ses , co. ne Suin made ago Mori's declination = Jule moon

Examined and found to be correct.

Linkenaut a Navigator.

LOG of the United States Ship Essey, Rate, 6 Guns,

Perto france States State Barometer. Temperature. State of the Forms of Total State Record of the sail the vessel is under

				WINDS.			BAROME	TER.	TEM	IPERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	457 - 41	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			ENE,	n E,	3-5		3,19	7.,	18	13		bem	Cum	2	Zu	
2				"	3-5		19					",	"	2		
3			1	"	3-6		18	1,9	17	1.1		"	"	2		
4			,	. 1	3-2		17	19	19	1,1		",	",	3		
5				7	4		16	1,8	17	11		"	Ci Cim	00		
6			"	,	2-4		14	17	17	1,1		. ,	1	6		
7			"	1,	3		14	1,7	1.7	1,1		1	1	8		
8			,	,	4		15	20	1,7	13		o'l	,	8		
9			,	,	4		17	311	2"	13		Leg	1	F		
10			,	1	4		19	71	11	1.3		"	"	9		
11			1	,	4		21	72	71	1,3		1	1	8		
Noon.			1,	,	4		19	21	21	14		"	"	9		-
														1		

knots fathoms. Distance run by Log since preceding Noon Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 325 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 62 69 4 "
tons 300 lbs.

146 "399 " Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours Coal remaining on hand at Noon

P. M.												
1	ENE	46	2-4	3017	72	71	1.4	Log	Ci Cum	9	8	
2	"	"	2-4				13	,	4	8		
3	NEX 6	"	54	16				"	,	2		
4	"	,	2=4				13	"//	"	7	2	
5	i,	,,	24				1,3	7	",	f		
6	,	,	4			1	1,3	80	Gi			
7	1	,	4			/	113	"				
8	',	,	4	The second second		4	13	,	"	5		
9	,	. ,	13	THE PERSON NAMED IN		1000	13	"		6		
10	"	,	4			100000	13	1	"	N		
11	21€	"					14	"	11	X		
Mid.	"	,,	4			-	14	,	"	2	7	

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences tuntil 4 auc.

Hagy pleasant., Moderato brezo from ME. Ship volleig 5th. 15°, Ed
Forde (Las) peterne d'an board at Lave, avenid 3a.10

(egs) concellogg Lieux agus

4th 8 aus

Hearten for spliesant. Moderate brege from HE, Shep orelling early, Communes coaling or 720, arening 30,000 Ceps BRRees Lein veget

Flux tomeridiane Pleasaur weather, moderate bruge from 26. Long sweel Ship rolling paidy, Cintimus Cooling ship, account 30.10 (sp) woudown Master offer

Mendean to 4 PM Blear Moderate mega from 26. Ship oveling \$1, 20, Funihed blear of beautiful to water food. Two Eighih steames came in derif the water. Accord 18 aut. Jos. 4.

Ht. ftend Clandy toool. Moderate breeze from 26, Ship voiling deeply at time. Went of Quarter at v. ... auenis barnutes of eurs further 30, from You Wordsowin Maslew year

Sto Midnight
blear & pleasant, Mederate breze from 26, Ship onling from
5' 10 15-. Obeaux mornlight, anais 30.11.

Ego, Wheelegg Sunt rya

Monip dealuration = 6 38 25 8 Fuel mon

Examined and found to be correct.

Jelt, Parken Lecilenant Navigator. LOG of the United States Ship Essex
Porte Grand At Louiseux Rate, 6 Guns,

	1			WINDS.			BAROME	TER.	TEN	PERAT	URE.	0.1.00	P	Clear Oths.		
Hour	Knot	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Cle Sky, in 10th	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M			3,59	2.8			2		10	1		to	Ci	,	7	
1	-		26,6	26	4	9	30 15		1000000					/	1	
2			1	,	4		14	71	1.8	1.4		1	1	1		
3			"	"	4		14	711	1.8	1,4		-/	1	1		
4			"	"	4		15	711	1.8	hy		"	1	1		,
5			"	"	3		16		1000	1		,	',	3		
6			,	,	3		18	711	1.8	14		,	1	2		
7			"	"	3		19	711	18	14		7	"	4		
8			4	,	3		20	711	1.9	14		1	"	6		
9			"	,	4		21,	71	1.9	14		1	"	6		
10			"	,	3		19	71	70	14		1	"	7		
11			"	,	3		/		211		-	"	1	6		
Noon			,	, . (3				211			"	"	1		
						-										

Distance run by Log since preceding Noon knots fathoms. Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at JJ8 gallons. Water expended during the preceding 24 hours 1336 "
tons 311 lbs.
146 " 99 " during the preceding 24 hours Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours

A COMMISSION OF THE PERSON NAMED IN	CHARLES SAN	MATERIAL DESIGNATION OF THE PARTY OF THE PAR					1		1		1 1		
P. M.													
1		nEx E	21€	4	3, 18	72	20	115	bern	Cum	1	8	The Person Name of Street, or other Designation of the Person of the Per
2				4	1			15	1	"	1		-
3	-	ENE	ENG	4				15	"		1		
4			1	4			1	1.5	"	"	3.00		
5		,	"	4				1.4	1	1	6		
6		"	1	4				1,3	1	"	6		
7		"	,	4	14	7,	18	12	"	"	2		
8		,	,	4	16	70	118	13	"	7	2		
. 9		,	,	4	17	7"	1.8	14	Se		f		
10		1.	,	4				14	"	*	F		
11		,	,	4	211	1"	48	14	"	ALCOHOLD STATE OF THE PARTY OF	8		
Mid.		"	,	4	18	1.	18	13	"	,	6		
The same of the sa			A PROPERTY OF THE PARTY OF THE	-			4 10 10 10 10				CALL STREET, SQUARE,		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Coal remaining on hand at Noon

under the command of Commander ast mc Corne of Tuesday met 7t , U. S. Navy, , 188% Commences tuntil 4 all Heather clear expleanant. Baroneter shady. Clouds Cumules, Bruge, moderate from HE, two shota falouts moving, the lower one to Stest, & the upper me to 12 'the?, & the upper me to 12 'the?, Anghe mornlight. Questica 20.11.

(Sp) K. Rohrer Levit Eggs

41. fam. Pleasant wearter. Light bruge from n.E. Baronneter rising. Reces on board in Pay Dept, for one of crew 140 lls fresh beef + 111 lls mad. animi 31.14. St. Mere de an ble or the as out, moderate breez from 26, Ship rolling sarily or 920 munteur rinspectes or quarters, the 1st x 2° Dis exercise or plaigh chicks 3 + Powder at Imale anno. , By ande fike Comy Oficie extra deliques orders for the following men, lever Simpon (CB) 3 days, for being drawk cand in from the nos accerca Iss. 111. , at 10 seur of dofgalant marts. (ogs) whileogy fruit of Meridian to 24 PM Heather clear & pleasant. Barmeter faeling, Cumulas Inces. Moderate onego from HE to E HE, Sent liberty party in short. Instruction one perting of Boys though the Doboslandanted. a Jaged Shave went to Lea, + one Keughit ta German one carre in the hator tauchored, Quemia 30,05. Egs) K Rohrer Suit ugh Happleasant, moderato hage from 21 E, Ship orling 50 to 15- at ves mentions or quarters, accession 30.10 St. mid. Meather clear offer and, moderate hear from Ex &, Barmeter steady. Curricles dends, Bright mond Astarlight, Ship rolling laiely, Quenid 30.11. 1044401 Manis dealerations J'ull noon

Examined and found to be correct.

Leadinand & Navigator.

LOG of the UNITED STATES Ship Essex

Porte Grande St June ent

Rate, Guns,

		WINDS.			BAROMETER.		TEMPERATURE.			State of the	Forms of	Clear Oths.	State		
Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Balb,	Water at surface.	Weather, by symbols.	Clouds, by symbols.	Prop. of Sky, in 1	of the	Record of the sail the vessel is un at end of watch.	
	8 5	8,5			1		,-	,		1	0.0	5	1		
	6016	600	1					_		oa .		0	0		
	7	"	5							"	"	6			
	7	*	0			10000		100	100	4	"	8			
	"	"	3		111	711	1)	1.5		"	"	8			
	4	,	3		12	311	11	13		"	"	7			
	"	,	3		14	71	1,7	1,3		"	,	6			
	ne	,	5							7					
	0	,	3				1			, .	,	1			
	,	,	3							,	"	6			
	,	,	3						_		,	7			
	,	,	4								1	P			
	EAE	,	4							"	"	9			
	Fathoms.	Enternance of the statement of the state	Courses steered. Direction. Ext & Ext & y y y y y y y y y y y y y	Courses steered. Direction. Force. Courses steered. Direction. Force. Courses steered. Direction. Force. The state of the steered. The state of the state o	Courses steered. Direction. Force. Samany Courses steered. Direction. Force. Samany Gette G	Courses steered. Direction. Force. The Height in inches. Ext. Ext. 4 3, 14 14 17 19 19 19 19 19 19 19 19 19	Courses steered. Direction. Force. The light in Ther. inches. The inches. Th	Courses steered. Direction. Force. Sample Height in Ther. Air Dry Bulb. Courses steered. Courses steered. Direction. Force. Sample Height in Ther. Air Dry Bulb. Sample Height	Courses steered. Direction. Force. The light in Inches. Air Dry Wet Balb.	Courses steered. Direction. Force. Force.	Courses steered. Direction. Force of Height in Ther nat'd. Bulb. Air Dry Bulb. Bul	Courses steered. Direction. Force of Height in Index. at at Bulb. Bulb	Courses steered. Direction. Force. Land Height in Ther. ali'd. Bulb. B	Direction. Force. In the last of the last	

Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 32 S gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water Water remaining on hand fit for use at Noon tons 300 lbs. Coal consumed during the preceding 24 hours 145 " 2037 "

	P. M.														
	1		ENE:	6.16	4	3,	12	71	70	115	Le	Cú	9	1	The state of
	2		"	"	4			1 00		15	,			7-3	
	3		1	"	4					10		Ci Ciem			
	4		"	"	4					1,5		1,	8		
	5		"	7	4				1	10					
	6		6	"	3					1,5		1			
	7		SSE	8	_					15-		1	/		
	8		6	6 x 36			12	7,	10	1.1-		1			
	9		6.16	8.16	3		13	71	711	1.5	"	1	9		
	10		1	"	3 200		14	70	1,9	11	1	,	9		
-	11			1	4		14	7.	19	1.5-	- "	"	9		
	Mia	100	,	', -	1,	1					/		1	23/3	

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Coal remaining on hand at Noon

under the command of Commander at McCommick , U. S. Navy, Wednesoay Mah 8th, 18 82 RECORD OF THE MISCELLANEOUS EVENTS OF TH Commences His 4 and Party cloudy & pleasant. Bright monelight. Barroula facting, Quemin In. 10 Sas & Rees. Lieux uya Hazy, pleas aut. Light brey from ME, Ship rolling larily. Or 8 anna 1 stypare out Jando Anyal yards. Quenia 311,12. Wheelogg Lewis upor We asked alear the as aret. Barruete falling. Cini Cumules clouds.

But to moderate huy for Ga E., or git excessed arew at Jewent Sunto.

Vite polling named person com at Jete the metant leave, aM Lian

(Do mi) R. Spear Las, was Dains (1003), Ham Sunit (104), a German

bank went & Sea. areenid 311.18.

(pgs) K Rohrer Seint type

Mendian to 4 Pm It mende air blear & pleasant. Gentle bregge form Eze E. Barmelu faeling. Seur liberty part of men on show. a French men of war land in from It sandchow just astern of Essey at 4; anemie En 11 3.

Theather clear Apleasant. Breeze variable an fince Administran, Cimos Cumules claudo. An Eighiet Steamen comme is Laurhoused., Surdones Affailant & royal gards or Dundam Rohner Sint Egel

St. mid Heather severally clear pleasaux. Inreducte frege from 146; amount farmeted 30.09 GosbRees. Sient afer

collow's declination = 14 27 03 of

Examined and found to be correct.

, 3 Rate, 6 Guns,

LOG of the UNITED STATES Ship Essex Porto Grande St Vaicent

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear Oths.	State of the	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.																
1			ENE	nE	3		30 14	711	18	1.3		de	Cui	6	L	
2			,	7	3		12	711	119	115		1	"	6		
3			4	,	3		11	711	19	117		"	17	4		
4			,	1	3		10	711	1,9	10		",	"	1		
5			4	,	3		11	711	1.8	1.1.		beg	1	5		
6			,	9	3		13	71	18	111		0,,	"	~		
7			,	,	1		14	71	119	111		"	"	3		
8			,	,	1		17	7,	711	19		bern	"	5	-	
9			. ,	,	1		17	71	21	1.1		7	1	f	5	
10			,	,	1		16	71	73	1.8		"	,	9		
11			1	4	1		15	7,	73	1.8		"	"	9		
Noon.			,	,	1		14	71	23	18	1	"	,	9		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	•	, ,,
Longitude by D. R. at Noon	o	, ,,
Latitude by Observations at Noon⊙	•	, "
Longitude by Chronometer from Forenoon Observations⊙	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude O observed at Sunrise	•	, ,,
Variation of the Compass by Azimuth ⊙ observed at		, ,,
Water expended during the preceding 24 hours	311	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	7111	
Coal consumed during the preceding 24 hours	tons // /	
Coal remaining on hand at Noon	145" 81,	2 "

	P. M.															
	. 1		616	218	3	3	12 12	72	72	1,5		for	Ci'	8	B	
	2		"	1	4	1	,,,			1		"		2		
	3		,	"	4					1.5			1	8		
	4		"	,	4					1.1.		1				
	5		46	,	4		2000			1/1		1	1	1	m	
	6		"	1	4		10	12	71	11,		"	ii Cun	9		
	7		1	,	3	-	11	71	76	11		"	1	9	-	
	8		1	,	3		12	71	70	111		1	1	8		
	9		,	,	3		14	7/	71	1,1,		"	,			
	10		1	1	3		16	71	71	19		1	"	5		
-	11		"	1	3		18	71	711	19		,	"	4		
-	Mid.		,	,	4		16	711	20	11		"	,	8		
-	San Personal Property lies	Asia and			THE PARTY OF THE P		The second second	THE PERSON NAMED IN	The second	1000	STATE OF THE PARTY.			120000000000000000000000000000000000000	10000	

at

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Ht. of all ...
Clary todawf. Light KE breze. Barrueles faeling. award 30.06.

(248) Com. Irwin 1806. Type

Ht. falled

Heather hagy tak pleasant. Borometer riving: Lych breze form Mi. Camula.

Clando. Residen town for uniferred 140 lls briftonystables 411 loans of brad.

(240) K. Rohorr Leist aga

The Mendian

Heather clear town with thick haze. Menters at greater, as 9 to and

exercised 1243° Dris at Paris dail, 2° + Maurines at Druge amount

Ranigators at single straks, + Ponder at paring forder. The Competition

of the Townal man fever Talvinian had official to Comy office of the

ship. a Geometral best the Lester at 10; & salutes by diffy her

class. Return the salute. Amind 30.07. States for andering.

Menidear to 4 Man

Mandear to 4 Man

Mandear to 4 Man

Soom thang. In orderate long from x6, for henry factor fort.

Resonable faeley, Shifted post forman 1+ of the after triples towns.

Amind as and freedom 30.11

Ogs, W. M. Inriv. Alaster cycl.

bleartplearant, moderate brege from 21 E. Barmeler vising. award 30.06.

(gr) BR Rees. Lieur you

St. Mid blear & flearant. Light brege from H. E., Nostietery, and 30. 18.

Mom's declination = 17 33 36 8

Examined and found to be correct.

Teulement & Navigator.

3 Rate, Guns,

LOG of the UNITED STATES Ship Essex Porto Grande St Vincent

				WINDS.			BAROME	TER.	TEM	IPERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	447 41	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is und at end of watch.
A.M.			9 9													
1			6.161	26	2		3111,	70	119	17		The		10	1	
2			"	7	1		3111,	70	1,9	1.1		,	-	10		
3			,	"	1		14	70	18	1.1		"	_	10		
4			9	,	1		15	119	118	18		1	_	10		
5			1,	,	1		15	211	19	18		1	_	10		
6			4	1	1		15	711	19	115		,	_	10		
7			1	,	1		15					Lem	Ci	9		
8			"	1	1		15				10000	"	"	9		
9			nw	,	1		17				_	,	"	9		
10			"	,	1		16				10000	,	"	9		
11			126	,	2		15				-	.,	1	8		
Noon.			1	,	2		14					,	"	8	1	

Distance run by Log since preceding Noon	knots fathor	ns.
Latitude by D. R. at Noon	0. /	"
Longitude by D. R. at Noon	0 ,	"
Latitude by Observations at Noon⊙	. ,	"
Longitude by Chronometer from Forenoon Observations⊙		"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	. ,	"
Variation of the Compass by Azimuth ⊙ observed at	. ,	"
Water expended during the preceding 24 hours	Los gallo	ns.
Water reserved during the preceding 24 hours	12011 "	
Water remaining on hand fit for use at Noon	1600 "	
Coal consumed during the preceding 24 hours	/ tons 1841 1	lbs.
Coal remaining on hand at Noon	143 "12111	"

P	. M.													
	1		nE	26	2	3012	73	74	1,7		born	Cul	8	8
	2		",	",	2	In the second second		75-			1,		8	
	3		,	,	2			20	1000000		"	1	8	
	4		"	",	2			74			1	"	9	
	5		1,	- "	2			74			1	1	9	
	6		1,	,	2	The second	1	74			"	4	9	
	7		1	,	3		1000		1,5		"	1	9	
	8		1	,	3			73	100000		',	"	19	
	9		,	,	2			->0		(bu	"	10	
	10		21	,	3	17	14	10	18		,	1	10	
	11		"	,	3	18	13	19	11		"	"	10	
1	Mid.		nue	,	2	18	22	1.9	1.1		"	"	10	
1		1000			100000			200000		100000000000000000000000000000000000000			10000	

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Heavy dew. Quenid 30,08. Communes funtit 4 acm 41. face (2) o Keelogg Lies agas Hay tpleasant. Light brege from ME. Barmula strady, an Eighil chaine com in from M' Lanchows at 6°; browned Hyguelaux vroyal gards at 8. - avenia 20.09.

(ogs) BRRees Livis Cyru Hi, nien dean Worn thay y. Light bregs from WE, freshering latter part. as 9, " weer to quartes for inspection, as 9 to exercises at battalion drill, Sacret Suich (1ct) haing been about over leave quie the 4-wist, with manifest intentime for to return, is declared a deserte from the manne service from this date, Coming officer pais an officine visit to the French Correcto Calesman, Quenia 30.07. (Ogo) W ne Sourie Master legel Meid to 4 Box He agg, pleasant, Lyto breeze from U.E. Souriet Lea. 1422 leations of Afryo were withrested at Reamanship, 4th Reation or Studies English mail Plane James left, tomas to, Wi, Quenia 30,06. 4th & Bru

Pleasant weather light no heege, Sea Smooth, Wear to quarter
or 5th Je 1 (6) as 5 to Fenles away + Staved thew away in Dais now. , Sour down Redgo ropes, away staveling equotorpes. Rigged on' and seems bouts for Dear Uniged both lover brown. Quemid In. 11 1. Str. mid Hazy, pleasant. Light breeze pund it & , anemed 30.08, 19. 54. 8 Morn's declination =

Examined and found to be correct.

Levileraut & Navigator.

LOG of the United States Ship Essex Porto Grande St Vanciet

				WINDS,			BAROME	TER.	TEM	PERAT	URE.		T	of Clear in 10ths.	Cur	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	State of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.			26	n E	,		31, 16	71	70	1.1		L	_	10		
2			"	"	1		13	71	70	11		1	_	10		
3			',	"	1		15	71	70	11		',	-	10		
4			4	1	1		13	71	70	19		, ,	_	10		
5			',	1	1		14	71	70	1.1		Lu		10		
6			,	7	1		16	22	20	1.5		, "		10	5	
7			,	,	,		20	72	71	17		bem	Ci	9	2	
8			,	,	,		19	12	71	16		7	"	9		
9	2	11	1x6/26	6x 16	4		20	74	72	1.3		7	9	9		
10	7.	5	.,	,	4		28	74	13	1.8	74	, ,	,	8		
11	7	0	7	"	4		17	74	13	18	74	. ,	,	8		
Noon.	5	5	"	4	7		12	74	12	-69	74	8	_	10	1	
												23				

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon⊙

Longitude by Chronometer from Forenoon Observations⊙

Current during the time knots

fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours

Water Fraction during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

324 gallons.

16 . 24.

13511 2633 "

3 tons 296 lbs. 140 " 970

P. M.														
1	4		Sx61/28	6	5	2	311 119	74	73	117	74	Leve	_	10 20
2	4		Sx E	6 x 8	5							"		10
3	4	5	8x61/26	6	5	2						"		10
4	4	5	"	"	5	2						,		10
5	4	٤	886	Ex 20	5	٤	10	23	23	1.3	23	bem	Cui	9
		1	1	,	5	2	10	12	72	18	23	7	4	8
7	4	1	"	1	4	9	12	12	7/	17	73	"	"	8
				"	4	1	THE RESERVE AND ADDRESS.					"	"	8
			8163/46	1 "	4	2	100000000000000000000000000000000000000		71		100000000000000000000000000000000000000	0	_	10 8.
			SEXS	4	4	2.70	18	74	20	17	23	4	-	10
			,	"	4	1	18	73	70	1.5	73	1	-	10
Mid.	3		"	,	4	1						beg	Ste	9

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by Gyminth at 4 pm

under the command of Commander astmill ormed , U. S. Navy, Paterray mch 11t, 1884. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences Stort aun, Cheather Clear xpleasant, Baronula faeling, Light aus from ME. Sittling water. Startes fris in 4 after foiles at 3. - In straites came in and and this dening the watch. amen't 30,09. (490) K Robier Suis aged Hazy swam. Light aus find no . Sunt bea. Brought ott chair at 5.00 Hore up cates thinks the att auchor. Brought to post claim & hove in to his four. Or 6 20 called whaves of inchor, how up port anchor, and starter ahead one her at 6th out of the hastor. as I may & seels. Remarde Justel pleasing along the court of & Minieus Seland, heading for Porto Prayer arenid 311.12. Steam 58 lbs, Rev 39. Hazz pleasant. Moderate brear four HE as beginning frestel, which gradually to the Ei on getting clear of the land. at 8" carles der hands, and made ale plan sais to roy als, except main ail. Ploppe to teaning, Banker fris. + detacted sever. at 830 tress departure, South enof det of st Vinewh beaung the, Ex 8, West en wirew. Ship making I kents. at 9° tress in my els flyng jeb. to moderate squeed, at 9° lost sight fland, when last our ominates fifor it born n u.E. at 10; troto in topgaelant sails & Spanker, at 11 per mensture Pros

Oleante Clear tplearant, hazz about the horizon, Light brege from & to Ext. Ship rely spititing early to moderate sea, Fine banked. By when of Comy office Ind. 6. Dealing (08 /200) was juin , o day's extra duty, for disobedies of order of Jahorlin arter Hinviting him to fight. 10.6. Prikett (10.8) was by the same authority goin of days extra duty for squattling, arinin 30.04. Jame 2 the come is SSE. 41.1. Pm blear epleasant. The sto haze about the horizon. moderate to fuch brey from 6x x6. munter as quarter as 4.4 Bannote strate, are such as greater as 4.4 Bannote strate, are such as a course sto. ses CRRees Seeis agas blear the asaut. Bright startish, moder ate bruge from 6x 86. Moderate Sea. Barmela riving. Quenid 311.09. Str. Mid Mayy, pleasant, inoduste brege fun Ere E. Swent Lea, ar & changed and & St. S. as 11 to more one, award 3,.10.

(4ge, co Keelogg, Line uge) Examined and found to be correct. Westernaur & Navigator.

LOG of the United States Ship Essex, 30 making passage from Porto Grande to Porto Praya

·F					WINDS.			BAROME	TER.	TEM	PERAT	URE.		77	Clear 10ths.	Curt	
H	lour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	State of the Sea.	Record of the sail the vessel is under at end of watch.
A	. M.	3		SExS	Exze	5	2	31 18	72	70	1.4	73	be	Cui	9	8	
	9	4		,	",	4	2	15	72	20	44	73	4		19		
	3	4		"	7	4	1	14	72	70	44	23	"	_	9		
	4	3		,	4	3	1	15	72	70	1.4	73	"	_	9		
	5	3	4	,	7	4	1	15	72	70	1,4	73	4		10		Set Juflet outs.
	6	J		886	,	4	1	17.	12	70	1.4	73	Leg	Cirsto	8		
	7	6		8x E)	Each	4	1	17	72	70	1.4	13	.,	"/	8		
	8	6	2	13/6	7	4	1/2	19	71	70	14	73	7	7.	9		8° est orgals
	9	6	4	8x6/6	, ,	4	1/2	20	73	72	1,5	13	7	"	9	2	Jork in fire sail
1	0	5		"	1	4	1/-	20	13	12	1.1,	13	7	1	9	,	Jeffer sail tony do.
1	1	8		SERE	"	4	1/2	- 19	13	73	17	23	1	7	9		
100		8	4	"	,	4		19	74	13	1.8	23	"	,	9		
															_		
	1	Distan	ce ru	n by Log since prece	eding Noon								108	knots -	fatl	oms.	

Latitude by D. R. at Noon Longitude by D. R. at Noon "25 Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise 19 . 511 " W Variation of the Compass by Azimuth ⊙ observed at Sau Zara gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours 3. tons/768 lbs.

136 "1442"

P. M. 8612 S. 3, 19 75 76 18 74 1 10 d 863/48 19 75 17 11 73 86 x 6 19 74 75 62 24 4 18 75 73 /1 73 Ex 20 5 13 7574 14 6 15 74 73 13 8 7 20 74 72 1/2 19 14 72 1/2 6 x 26 10 10 4 11 Mid.

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Coal remaining on hand at Noon

Communesto 4 am. Weather clear & pleas aut. Bounder foeling, Cimis clouds. But to fish bregge from Ex 26. Dea smooth, Ship strady this were spread at 3. " avenue 30,07.

Weather hazy & pleasant. Moderate easters haze, Barmeter ringy. Det depolar sails at 5.3° and barmeter attent of watch 31.12.

St., meridian Warm thay, moderate begge from 6 at 8.20 Set my do, at 9," went to quarters, Costing Officie we people ship x crew, Calles all house shorten sais at 9 2. Jook in & forle sall but fore x aft pail. Commenced stearing, bue deland at 8.20. beauty the Sex W. anniel 31.11. Sighted St Jugo at 11.50 beauty (pe, 16.

Meid to 24 one Hazy, pleasant. Fresh breeze from h & with 1, when the and haules to the 6. Survich Sea. at 1 track in four aft sail. Stearing along so end of Seland of Strayo, course constantly changing as eve drew near the land, at 3 sighter Porto Praya light, and at end funtable city was in sight. Queenid 30.04. (go) Wheelogy Luis ogw

LIt. & Pow Weather clear & pleasant, Hazy around the horizon, Moderate begge from 6. Barruete steady. Comis cloud. as 4, cause to with sto auchor in' 1/2 four Tenerosa light beauty the, Sux when, Ship heading E. an office from offer of services, on the part of his Coming office. Backes fines, Commenced distilling, valer at 6. Quenia 30.09.

(og) K Rohner Lieus agu It, mid blear teleasant. Light breeze from Exte. Barmeter steady. anemia 30.10

21° 311 22 8 moon's declination = Last Quarter

Examined and found to be correct.

Leelenant Navigator.

30 Rate, Guns,

LOG of the United States Ship Essex Porto Praya St Jago Island

	19.9			WINDS.			BAROME	TER.	TEM	PERATI	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			ENE	Ex 20	4		3,19	70	1.9	1,11		by	_	10	2	
2			"	,	4				119			"	_	10		
3			. ,	,	4		17	70	1.8	1111		4.	-	10		
4			4	4 1	4		17	71	119	1,1		"	1	10		
5			9	"	4		16	71	1.8	1/2		Co	Cui	9		
6			1	,	4		18	71	1,9	113		be	"	9		
7			,	,	4		20	71	711	1.3		"	",	8		
. 8			"	,	4		20	73	72	114		4	"	9		
9			16	Ger 6	5		20	74	75	1,5		"	1	9		
10			"	1.	5		20	74	75	10-		"	"	9		
11			,	"	5		20	75	76	1.1		1	"	9		
Noon.			"	"	5		20	76	76	1.1.		"	4	9		
	Dieton	eo rn	n by Log since prec	eding Noon								26	knots 8	feet fatt	ul.	

Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 2,6 gallons. Water expended during the preceding 24 hours 300 " during the preceding 24 hours Water received 2333 " Water remaining on hand fit for use at Noon 4 tons 540 lbs. Coal consumed during the preceding 24 hours 132 " 902 " Coal remaining on hand at Noon

1	THE RESERVE OF THE PARTY OF THE		CONTRACTOR	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, TH	Million Co.		MANAGEMENT AND VALUE OF	THE RESERVE OF THE PARTY OF THE				
P. M.												
1	Gyz	626	5	311 18	76	76	111	bem	Cui	9	2	
2	"	',	5				45		"	-		
3	"		5			-	15	"	4			
4	"	9	4				10	"	4	-		
5	Ex 8	Each	4				1,5	4	4			
6	',	. "	4	20	74	74	14	4	4			
7	6.16	,	5			73		bu	4	10		
8	, ,	,	4	24	75	73	14	4	"	10		
9	,	,	3	23	74	72	1.4	4	-	10		
10	1	Get &	3	23	73	71	13	4	_	10		
11	"	"	3	23	72	70	13	y	_	10		
Mid.	"	, ,	3	22	71	70	1.3	8	_	10		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

under the command of Commandeling at m Conneck , U. S. Navy, Monday Mich 13th, 1882. RECORD OF THE MISCELLANEOUS EVENTS Communes sintil 4 au. Hogy, pleasant. Moderate brege from 6 x 26. Ship volleig to severe, from ound cost from aueric 30,0 8. Banker fines, Districting.

Coyo, W Keeloggy. Twis ages Chartpleasaux weather, Barmeter rising. Moderate breeze from Ex 26. Cinis clouds, Fins banker, Districting water, Querid 30.12. Everally blue Aplanaut. Hazy armus the hongin. Barmetu etiady Everied at Sumfe Quarters at 9. Sent aw Officer to Portugueso Man Jeward Lynig in the haster at 10. The Comog Officer paid official visit to same Vessel at 11. aumid farmetu 31.09 (ogs) belles. Siens up meed to 4 Pm blear thearaws, Inch breze pour & u.E. moderate severe & ship volling early. Resis an Official visit from Comog office of the Paterguese man flower lai port. Darmela faeling Districting, aremid 30, 116. 41. Thu Hagy, pleasant, Fresht. moderate brege from E. Ship volling tority to a sender from round East point, as 5. * musteur or quarters. Banker finis. Distilling, anem's 30.10.

(go) Wheelogy Lient agent blear & pleasant. Sente brege pour 2. 46: Baronete steady. Districting water. Quenia farmeter 31.12. 20 28 30 8 Morris declination, Part Quarter.

Examined and found to be correct.

Levelenaer & Navigator.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear Oths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather, by symbols.	Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is une at end of watch.
1. M.			ENE	ENE	3		3, 20	71	1.9	1,3		L	_	10	2	
2			',	"	3		18	71	119	1.3		"	-	10		
3			. "	4	3		18	71	1.8	1/2		,	-	10		
4			4	,	4		17	71	1.8	111		,	_	10		
5			9	,	4		16	70	18	1.1		bem	Cui	9		
6			4	,	3		-8	10	19	1.11		Jew "	,	8		
7			"	,	4		22	72	73	1,3		,	"	9		
8			"	7	4		22	72	73	1.3		1	"	9		
9			7	4	4		22	13	94	1.4		7	"	9		
0			1	1	4		22	23	70	1.5		,	7	9		
1			,	4	4		21	13	77	1.1.		7	"	9		
oon.			78	,	4		19	73	77	1.0		,	",	9		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	o	, ,,	
Longitude by D. R. at Noon		, 55-11	
Latitude by Observations at Noon⊙	•	, "	
Longitude by Chronometer from Forenoon Observations⊙	•	, "	
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,,	
Variation of the Compass by Azimuth ⊙ observed at	•	, ,,	
Water expended during the preceding 24 hours	335	gallons.	
Water received during the preceding 24 hours	4111	, "	
Water remaining on hand fit for use at Noon	2398	"	
Coal consumed during the preceding 24 hours	2 tons 51		
Coal remaining on hand at Noon	13.11 39	, "	

P. M.															
1			Enc	ENE	4	3, 14	53	77	1.1,		8	_	10	2	
2			"	1	4		1	1	1,1,	-	4	_		10000	
3			4	"	4	11.	1000			1000	be	Cú	9		
4			1	"	y	15	12	77	11		4	"	9		
5			4	"	y	15	>6	76	17		"	4	9		
6	1	0	86x8	,	4				11		4	"	9		Steam
7	2		"	1	4	14	75	12	1,5	73	4		8		made sail to topfelt sails.
8	1,	2	"	1	4	14	75	73	10	73	"	1	9		Let topment playains
9	1,		1	"	4	19	75	71	1,1,	93	b	-	10	ne	Le Jop Alt puil at 7,30
10	1,		,	"	4	19	73	71	1.11	73	"	_		-	Le manipais ar 9.
11	1,		1	"	4	19	73	71	11,	25	. "	-			
Mid.	1,		"	,	4	16	73	71	111	23	"	-	10		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

under the command of Commander at mo Cormics , U. S. Navy, Tuesday March 14th , 1882. RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences & to, 4 Am, blear scool, moderale bren from En E. Barmeter facting, Stopper districting. Portugues man of war got up anahor and left the port fat 3: anend 30.10. 4th Faul Hazy pleasant. Moderato to fuch breze from EME. Danker from, award 30,08. Sto Mer d. Weather clear spleasant. Moderate bruge from 626. Warmelw steady. Cining clouds. Fine banker, The Portugueso Atr China Came in & auchous, as did the Porlugueso guntour Guanger, ar 9?" muetur & mapeted crew as quarters texercial Yet 2° + 3° Dirs at guar jun, Poroder Dis at Duallano. Quins 31. 18. By order of Comy officia R. B. Marrett (ICB), is given I day extra duty, for any that language to Sentry on Forcestle.

Mees to 4 Bus Nearten clear & pleasair. Moderate brege from & Ze E. Barmelu steady made forperations for sea. Crosser toffactaux & royal yands or 4. Quenik 311. 11. Distilling, (310) le RRece, Pleas out weather, moderato bregs from 6 2 6. Long swell . Tainhed for pea as 540 bright to sto chair, at 5 20 carles all hours of ouchor, Hove up & seemed sets anchor, started ahead the bece ar V. -, four bello 5, 48 as J'to tross departure, Quail Isld light bearing the, new w. Venta Jond 14. 2, agh 1st. 10. (egs) wom him master ages lite & Br. Clear epleasant. Moderate breze pour EUE. Swood Sea. Unbeur chains, and paid them below. Tot auchor of bow, as 6. made sail to topsail, except Main pail. at 620 stopped steaming, hauled five & detaches some. as y per doffact our pails & fontopment staysail. at 7 - lost sight of Porto Braya light, when last peen several minutes before it bore 11 Hx H. account 30.10 (gu) W Kellogy Sins aga St. med. Heather char pleasant. Barmelin facting clary. Moder sto brige from 6 n.E. Sea sourcet. Ship voiling spetching early. Ser Maari sail with a rufin it as 9- arema In. ng. (sge) A Robier Livis ofer mon's declinition = 18 11 10 1 last quarter

Wit Park

Secelierant & Navigator.

Examined and found to be correct.

making parage from Posto Praya to Mourovia.

-			11								-					-	
					WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Wathen	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M.	1,		86x 8	6.16	v		3,, 12	2,	20	1.1,	73	ben		10	n	Plum oail to Toplyt.
	2	1			',	4				100000		73		-	10		Pails.
	3	4		4	"	4		111	71	70	11	73	beg	She	9		
	4	1,		*	1	4		08	71	70	11.	73	7	',	8		4
	5	5	8	4	7	4		111	71	72	17	13	"	1	9		Same
	6	1.	4	7	1	4		. 11	7,	71	1.7	73	,	,	9		Set my alo + fly Lit.
	7	1.	8	,	"	4		13	72	73	1,	73	"	"	9		0 '0
	8	7	2	- 1	i	4		14	72	13	1.7	73	"	"	9		
	9	7	0	4	,	4		15	74	73	18	98	"	1	9		
	10	7	4	4	,	4		15	74	73	119	73	"	"	9		
	11	8		"	"	4		16	75	14	19	23	"	1	9		
	Noon.	7		,	',	4		11,	75	74	1.9	33	,	"	9.		
1			,												ten	1	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon⊙

Longitude by Chronometer from Forenoon Observations⊙

Current during the time

knots

fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at Face

Water expended during the preceding 24 hours

Water practical during the preceding 24 hours Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

119 knots of fathorss.

13 °39'00" 20

21 0 55 21"00 13 37 12" 20

21 ° 59'15" W

16 · 311 " as

300 gallons.

300 "

2398 " 1 tons 1352 lbs.

128"1278"

		-	NAME AND ADDRESS OF TAXABLE PARTY.			THE RESERVE TO STATE OF THE PARTY OF THE PAR							_	-	
M.															
	7	5	SEXS	ENE	5	3005	75	74	1.8	73	Se	Ci Ciu	1	m	
3	7	5	1	1	5				2			"	1		
3	7	5	1	"	5							"	1		
1	1		"	,	4	01	75	74	1.8	74	4	9	1		
5	7		,	,	4	02	74	73	18	74	4	"	3		
3	1,	1,	"	7	4	02	74	73	1.8	74	4	Cu	9		0
7	1,	5	"	1	4	07	74	73	1.8	74	7	"	9		Sauce
3	1.	4	"	,	4							1	2		
9	1.	8	"	1	4.	12	74	74	19	74	bag	"	9	S	
)		1	1	1	4							"	9		
	-	-	1	"	3							",	10		
d.	0		"	,	4	12	74	12	1.8	74	"	"	10		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	777711111111111111111111111111111111111	75	7 5 86x8 7 5 4 7 5 4 7 7 4 1 1 4 4 1 1 8 4 1 1 1 4	75 SEXS EXES 75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 8Ex8 EXE 5 7 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 EXE 5 3,05 7 5 1 1 1 0 00 7 5 1 1 1 1 00 1 7 1 1 1 1 02 1 1 1 1 1 1 1 07 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 ENE 5 3,05 75 7 5 1 9 00 25 7 5 1 9 00 25 7 7 1 9 00 25 1 1 1 9 02 74 1 1 9 09 74 1 1 8 9 9 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 ENE 5 3,05 75 74 7 5 1 1 1 0 02 75 74 7 7 1 1 0 00 75 14 7 1 1 1 0 00 75 14 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 EAG 5 30 05 75 74 1.8 7 5 1 7 7 1 8 7 7 1 9 5 00 75 74 1.8 7 7 1 9 4 01 75 74 1.8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 ENE 5 3,05 75 74 1.8 73 7 5 1, 1 5 02 75 74 1.8 78 7 7 1 1 5 00 75 14 1.8 74 1 7 00 75 14 1.8 74 1 7 02 74 73 1.8 74 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 ENE 5 3,057574 1.873 be 7 5 1 1 0 02 25 74 1.8 73 be 1 7 1 1 00 75 74 1.8 74 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 ENE 5 3005 7574 1.8 73 be Cicum 7 5 1 1 0 00 75 74 1.8 78 4 4 11 7 7 1 1 1 1 00 75 74 1.8 74 4 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 ENE 5 30 05 75 74 1.8 73 be Cicau 1 7 5 1, 1 5 02 75 74 1.8 78 4 1 1 1 7 5 1, 1 5 00 25 74 1.8 74 4 9 1 1 7 7 1, 1 7 02 74 73 1.8 74 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 5 86x8 ENE 5 30 05 75 74 1.8 73 be Cicion 1 700 7 5 1, 5 00 25 74 1.8 74 11 11 1 4 02 74 73 1.8 74 11 11 1 4 02 74 73 1.8 74 11 11 1 4 02 74 73 1.8 74 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by Azimuch at 4 pm

21° 56' 15" av

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Hu 4am Commences It I telle Commences It I telle Survey from E'ME. Smooth Lea. Barmele falling clighty. The mon me as 2.5. account barmele 311, 16. Warre thay, moderate breze from E're E. slightly furhering. Smooth Sea. Barnete rising. ardaylight ser orgalo tflying jet. Cours 31.19. Sto Mers. belear twann. Moderate hugy from Eu. E. Moderate Rea. ar 9" suretires + inspectes ar quarters. Exercis 1th Dis ar quar que, 2 + Manijators as Suijlo sticks, 3° + Powde at Amall anni. By sole of Com of office released Aus Me Govan (Sea) from confinement. Amen 311, 112. Sener detactes & making 3.0 to 138 rev. (gr) Wheelogy Lieux yes mend to 24 Por Weather pleasant. Breeze moderate to fish fin 6 & 6. Ando and commenter. Ship rolling lavily to moderate sean Barroulin factoring. Instructed one section of Boys Vai attacks though schoolmate. accounted 29.9%.

(25) K Rohrer. Lines agen blear & planaut. Hazy atout the horizon. Barmela facting. Mastered as quarters at 4.4. automia 29.96. Pleasant wearker. Bright starlight. Moderate breeze from E & E. Moderate.

Pea. Guaria 30.01. (ogs) won drivin master ugen Lazz, pleasant, moderate bruge from & ze E, which gradually dearing to light bruge at 11. 4 then furhered again. Smooth Lea. anis Bu net.

(py) Wheelogy Luis again.

= 14 39 30 8

Examined and found to be correct.

morn's declination

L'enteraux & Navigator.

This Essex , 3d Rate, 6 Guns, LOG of the UNITED STATES Making fassage from Porto Praya to Mourona BAROMETER. Courses steered. Hour. Knots. Height in inches. Ther. att'd. Direction. A. M. 6.16 Lez 30 06 75 72 /19 74 10 1572 69 74 10 75 72/19 74 09 75 /2 19 74 4 07 74 72/19 74 0674 73 1.8 74 07 74 73 18 74 08 73 75-76 74 1075-767174 Cui 6 11 76 78 72 74 10 11 76 78 72 74 1076 18 21 14 Noon. 123 knots 2 fathom Distance run by Log since preceding Noon 12 018 18 12 Latitude by D. R. at Noon ° 23'15" CU Longitude by D. R. at Noon Latitude by Observations at Noon⊙ 20° 27' 30"00 Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise 16 ° 00' " Cel Variation of the Compass by Azimuth o observed at facer 350 gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water 2078 Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours tons 200 Coal remaining on hand at Noon 128 " 9711 P. M. Exw 1 Ci 886/26 31 10 76 78 10 75 09 71, 77 71 71, 15 14 76 71 16 4 115 /5 /1. 70 74 5 20,75 757176 18717572/5 119 20 9 10 11 Mid. Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by Cymith

under the command of Commander at McCorneil , U. S. Navy, Thursday nech 16 t, 18 FW

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences story Pow, Weather clear & pleasant, Barmelie ring. Comis cluds. Amorth Lea. Ship steady, at I passed though tide rip. & continued by dusin as witerals til 2. - Queenid 30,000.

41. fAm

Weather cloudy + pleas aut. Wound from Exe 6 to 6 x 26, faeling light towards

ens Awalch . Barmelin riving. Pleasy a course & 6 x 8 /25. Hazy amund

the horizon, anemid 31. 13.

(ogs) & Rees. Levit of

of to need. Hayy twarm. Light and from Ex U. Smooth Lea. Lowers 2 Cutter, or g - + sun out a target, on sto beam, Haules up courses, at 9 to beat to Quant Searles & exercises or Janger practice with you ar yours. Expundes 2. Sai long shell fers, 3, 10 pote sheel sper, 16 qui s'ace sheel. Jus 2 v llo charges, 3,6 fbs charges, 416,8 lls charges. also 3 mundo with 3 in break londing rifle. , Secund at 11. - Seur our 2° Cutter + brought in Jarger. horited & secured 2° Cutter. Set foreaier. Work ship + bright to The course & 6x Sar 11, 30, Ser for topmant strural at 12. accound 29.90.

Mend bout Prod. (egs) 10, M. Imin Marle age Hazy splenant. Light and from Ex 26, Sourost Dea. at 1. exercised are frist division of all watch at prital practice. amond faeling 29.92 at ear of watch.

So, Wheelogy fries How

41. 1880

Heather plenar binis clouds. Survito Sea, Light aus from Exilo. ax 4 45 musteurs and ar quarters, aneins 29.94. (2) 18 Robier. Lewis ages

Wanthogy. Very light ais from n.E. Su voite Red, Barmeter pring. anenis 19.98.

10 10 09 8 dask In

Int. 8 Pm. Weather pleasain, Hay about the Longin. Light theepe for h. 8. ago CRRees fries your

Examined and found to be correct.

LOG of the UNITED STATES Ship Essex

Frate, Guns,

Madinighans age for	m Portu Braya to	Mourria
11 1		

1				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			00-10									9				
1	1	2	SSEL €	п Е	1		30 12	25	71	32	75	ben	84	9	P	Plain sail except
2	1		1	,	1		11	15	77	22	71,	"	"	9		Maris ail & Spanker
3	1	2	"	"	1,		12	75	77	71	24	"	1	8		
4	1	4	7	,	1		10	75	17	72	71.	,	4	9		
5	3		,	626	2		10	75	74	92	76	"	',	8		
6	3	5	"	7	1		10	75	74	12	76	bez	"	9		
7	2		"	"	1		10	76	1%	92	7.1	7	Cui	9		
8	1	5	,	,	1		10	18	27	73	77	4	',	9		
9	1		1	,	,		11	38	79	13	77	7	"	9		
10	1		,	',	1		13	77	77	73	77	1	"	9		
11	,	4	1	',	,		12	17	77	13	77	,	,	9		Ser Joffett elimounds .
Noon.	2	8	"		2		10	27	19	73	77	"	,	9		

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon⊙

Longitude by Chronometer from Forenoon Observations⊙

Current during the time , 38 knots - fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at Faces Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

4 8 knots 4 fathoms.

11 045 58" 70 .

19°53'09"W

19.28,110, M

& 30" Tr.

19 0111 " 1

335 gallons.

1743 "

tons 3110 lbs.

128 " 1,78 "

P. M.															
1	3		886/6	ENE	2-3	3,, 1,8	71	77	72	77	Lez	Cu	9	8	
2	3	2	,	"	2-3			77		Maria Caralla	(/	"	9		
3	· i	1 2	,	,	2-3		100	77				4	9		
4	3		,		2-3							4	9		
5	3	×	"	,	2-3		1	77				4	9		
6	3		"	,	2			77				4	9		
7	2	5	4	,	,						bom	"	9		
8	1	5	"	,	1	10	11,	77	74	77	6	-	10		
. 9	2	4	4	,	1		1000	75			bow	-	10		
10	2	6	,	,	,	11	70-	75	74	77	,	_	10		
11	3	4	"	,	2	12	70	71	74	77	4	-	10		Stewarte clas of
Mid.	3	8	4	6x 26	2	12	75	11.	74	77	"	-	10		Mainsail.
	-	-					1	-							

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by Azuriuth at 4 prw

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Conineu aes stirt acce ...
Hogg, ple ae aut, + henry dew Light air from M.E. Smort Sea, at 1
parces though light tide hips. accound 29.98.

(pgs) W Keelogg uga

Weather pleasant, Light and from E 26, Barmelin steady. Clouds Curis & status. Very heavy sew facility on front part quateths. Se a omorth, account 29.99. Ogsi K. Rohrer. Lieux ogal

Sti, Mest.
We acher clear swamm. hazy arms the horizon, Smooth Lee. Muetum at quarters or 9', 7 wifested clothing, & made out clothing requisition.

Set the deffectant sturials as 10.5. Barmela steady. and 29.97.

Opt & Reeo Sewit upon

Men lost PM Hoay warm. Lyke breeze form & a & . Survet Den. Barmeter facting. Let be over of marrial ar 1. and a 29.90. Overhaules formers belge pumps rformed them in good order (29.90) W. M. Snow Master ages

Hh. 1. Pow Hay, pleasant, Light brage from & HE. Smooth Lea. Anemia 29.92 (op) to Keelogy Levis agen Weather pleasant, Hayy about he horizon, Barmele steady, Cine alundo, Smooth Lea. anemia 29.98. Heavy Les faeling. (op) 18 Robert Leaf upe

Homia
Wearten hays, eplearant. Heavy den, Sijho to genete heeze from
En & to 6x 26, Set wearten den of maniscie ar 11.20. Omnia 29.99.
(20) BRRees Lewis ogen

Morn's declination = 4 " 59' 30' S Last Trunt

Examined and found to be correct.

dientenaret Navigator.

LOG of the United States Ship Essex 3 Rate, Guns, passage from Porto Braya to Mororvia Making Prop. of Clear Sky, in 10ths. BAROMETER. TEMPERATURE. State of the Weather, by symbols. Hour. Knots. Courses steered. Air Dry Wet at Bulb. Bulb. Surface. Fathoms Height in inches. Direction. A. M. 30 17 75 95 72 77 Plan sail, with topmast 18 91, 75 92 77 + hofy et ation said 4 07 74 75 91 79 Tookin bofyle demail 10 3 1-2 3 10 9 3 2 19 77 16 72 77 2 4 7 10 77 77 92 17 9 8 4 3 11 77 78 93 79 10 9 111 79 59 73 79 10 10 111 79 79 73 79 10 11 1" 79 79 73 79 10 Noon.

84 knots 2 father Distance run by Log since preceding Noon ·38 115" N Latitude by D. R. at Noon Longitude by D. R. at Noon 10 032 58.120 Latitude by Observations at Noon⊙ 0111111111111 Longitude by Chronometer from Forenoon Observations⊙ 829°W Current during the time 2 5 knots fms. per hour, setting to the Variation of the Compass by Amplitude 9 observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Fau 3 20 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours Water remaining on hand fit for use at Noon tons In 1 lbs. Coal consumed during the preceding 24 hours Coal remaining on hand at Noon

P. M.		c	186/26												
1	2	8	SEX S.	6x 26	2	3, 112	811	81	74	79	b	_	10	8	
2	3		"	,	2					Section 1	"	_	1		
3	3		1	,	2					79		_	10000		
4	3	2	1	,	2					79		_			
5	3	0	"	,	2	12 10 10 10 10				fo		-			
6	3	2	· · · · · · · · · · · · · · · · · · ·	7	2					-	beg		9		
7	3		,	,	2					80	//	11	-		
8	2	4	1	,	2					8.		1	8		Jook in for topmast
9	2		,	EnE	1-2	1000				80		"	9	1000	Chinail, then topust
10	3		1	,	1-2					-	,		9	3000	stapoul.
11	3		,	,	1-3					80		"	9		
Mid.	3		"	"	1						8g	_	10		
	1	1000			1						1		1000	10000	

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by Agricuth at 4 pm

18 °53 'no" W

17.20 "w

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communder suntil 4 au. Pleasant weather hazy ormer the hiringen Light huge from Exto. Heavy dew. Bright startight. at 1200 hork in Frygoelant clausails aunid barmeter 29.96 (209) 60.24. Inoin Master ages 41.8 am Hogy, pleasant. Worm. Light furtering begg from Ere E. Smooth Sea. Obscured moralight, Observed several tide sip dethey watch, account 30.00 Weather clear & pleasant, Bermeter straty, Sea sound, Seath brug from & U.E., and bedding. Avenue 29.98. Released John Thompson 'Dea, June conferenced, by order of times officer. (ggs) R. Rohner Leeur ups ment to 4 Bur Char twoon, Leucle bregg pour 6x26, Sunt sea, Barreto strady. By ale of the Coming office the following furnihments on given, the f. cogular Finisher Idays soletary confinement on bread tenates, for commeling misance in Eigen wow. Pela Devany (Las) I days extra duty for mursing muster, du Lee Ldo, of Wesley Smith, (Las), I days extra duty, for washing clother unitary function, James M. Girley Son, I days extra duty, for accounting impropely at menter. and Part McKen (ICA), I days extra duty, for acque at of duty, Change course at 1.30 to SEx S. Quemic 311.11. Changes course at 1,30 to SEx S, Querie 311.111, (egs). ER Rees Lein ugs 4th li Bru Pharact wearher. Light breeze fine 6 x 76, Smonth Lea. Quemia 29.90. Hay, pleasant. Light air from Ex 26. Sment ha. as 7.5° took in fontopouret. etimeal, test fontopouret staysail. accornice 29.94. Weather Clear Apleanut. Light breez from Exe E. Smoother Parrieg Thoughtide rips at intervole duing watch, ausnie 29.94.

Examined and found to be correct.

Moon's declination = 0° 24. 3 E %

Lieuleuaut & Navigator.

. 30 Rate, 6 Guns, · LOG of the UNITED STATES w how Sorto Praya to Mouro Makeny Prop. of Clear Sky, in 10ths. BAROMETER. TEMPERATURE. State of the Weather, by symbols. Record of the sail the vessel is unat end of watch. Hour. Knots. Courses steered. Air Dry Wet at Bulb. Bulb. surface. Fathoms Height in Ther. att'd. Direction. A.M. €.1€ A Plani pail to, my als. 114 fo 19 73 2 10 12 811 79 23 81 2 3 23 da 9 town 73 da 116 84 18 72 811 1884791280 3 7 80 73 Let topmant + toffeet 3 8 be 79 73 011 3 9 111 8" 79 73 811 10 3 119 04 8 13 Fi 4 9 118 09 82 33 80 9 Noon. 52 knots & Distance run by Log since preceding Noon 044,55,20 Latitude by D. R. at Noon 17 . 58 . no al Longitude by D. R. at Noon · 41, 113 "20 Latitude by Observations at Noon⊙ 18 012 311 125 Longitude by Chronometer from Forenoon Observations⊙ Current during the time, 29 knots - fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise X Variation of the Compass by Azimuth ⊙ observed at Saw 17 . 311 111110 3 200 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours Water remaining on hand fit for use at Noon tons 300 Coal consumed during the preceding 24 hours lbs. 128 " 78 Coal remaining on hand at Noon P. M. 86x8 22 be Cui 3, 112 81 81 72 811 & Plani sail except Sparker 3 2 1111 81 811 72 81 10 for topmant, + Main 3 10 811 12 81 tof the klimands. 2 4 26x 26 10 da 72 81 4 89 72 81 10 5 30 10 81 89 72 81 10 6 10 811 71 81 81 6 113 81 10 10 10 10 10 11 0 Mid. 0 10 · 11 / 311 "cl Longitude by Chronometer from Afternoon Observations ⊙ Longitude by Chronometer from Observations Variation of the Compass by Amplitude Variation of the Compass by Committee

Examined and found to be correct.

Trilleworth Navigator.

LOG of the UNITED STATES . Thip CESSEY 3 Rate, Guns, Making Jarrage Jun Porto Praya to Mannia. Prop. of Cle Sky, in 10th State of the Weather, by symbols. Forms of Clouds, by symbols. State of the Sea. Record of the sail the vessel is under at end of watch. Courses steered. Hour. Knots. Direction. A.M. 163/41 26x 26 Plani sail 30 01 811 79 91 81 81 79 71 10 3 10 10 11481, 81 73 81 13 82 10 114 82 52 13 82 11 25 knots 2 fathom Distance run by Log since preceding Noon · 55 ,33 " 20 Latitude by D. R. at Noon 19 012 nn" a Longitude by D. R. at Noon · 511 · 25" M Latitude by Observations at Noon⊙ 19 · 114.15.00 Longitude by Chronometer from Forenoon Observations⊙ Current during the time 25 knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise · 311 " cel Variation of the Compass by Azimuth ⊙ observed at facu 335 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 268 Water remaining on hand fit for use at Noon tons 1220 lbs. Coal consumed during the preceding 24 hours 127 " 1198 " Coal remaining on hand at Noon P. M. Ex 8x 76 1 30 113 82 82 73 82 10 9 113 82 83 74 82 10 3 11 84 83 74 10 6 4 110 84 83 14 10 83 74 6 10 7 82 73 1-1 bag Ci Cum 10 11 Mid. 3

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by agricult at 4 form

17 0 001 '115" 111

0 ,

170115 "1

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes Horyan Weather clear & pleasant. Barmeter strady. Lea smooth. Hogy about the hongon Light to gentle breye from MEX 26. Orenite 29.89.

(40) K. Rohner Leut Ofw. Heather clear oplewant. Barnelo riving, Suite bruge pun n Ex to. Smert Lear (Ogr) BRRees Seein ager He med Sign to merchate brege from 26x26. Smoother Bormele dealy. At 9. bear to Siene we Deartes & exercised the crew, are so reported ready in 2 m 55 200, Showed at 9. are Did reported in 5. By order of Coming officien d. I Mulcahy (olea) was given Idays estra duty, for muining menter freutato, aunit 2957. Broke our sto shell becker aft.

Open 16. M. Show Master agent Mend to 48M Light are from 26 & E. Someth Sea. Instructed 1st section of Boys at studies. Served out ctorthing, amenic 29.88.

(sgs) are elegy Lever toger Clear Apleasant. Hazy about the horizon, Barmelu fueling Sea Sunt. Our 5.15 musteus & winfeates onew at quarters, accorded 29.86. blear twarm. Light and from 248 to 20 + 100°, Sumb ha. Jook in fort thural, and be bles of mainsail as 7,30, Querid 29.89.

(290) & Rees Link Uger St., mid blear & pleasant. Hazy armed horizon, Light breeze from cox it, ocening to see Afreshing, ar 845 braces up on Ato tack, & set the steensails and weather cles of Marindile at 11 took in Affectant Sturants, avening 29.92 (op) W. M. Irvin Master year

Examined and found to be correct.

Morn's declination

Teilenaut X Navigator.

Thip Essex 30 Rate, Guns, LOG of the UNITED STATES Making parage from Porto Praya to Mournia BAROMETER. TEMPERATURE. Prop. of Cle Sky, in 10ths State of the Sea. Record of the sail the vessel is under at end of watch. Courses steered. Air Water at Bulb. surface. Hour. Knots. Height in inches. Direction. A. M. bei Clani to my 3n. 17 81 81 75 82 80 75 82 except Spanker 2 3-4 811 74 82 3 4 3 4 5 6 3 2 8, 77 83 8 77 83 3 9 2 10 3 4 111 81 82 17 11 3 81 82 77 4 Noon. 98 knots / fathours. Distance run by Log since preceding Noon 8 0113 55 120 Latitude by D. R. at Noon 16001:00"01 Longitude by D. R. at Noon 012 37 12 Latitude by Observations at Noon⊙ 15.52.45.20 Longitude by Chronometer from Forenoon Observations⊙ 2 42°6 Current during the time. 23 ? knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 18 0 1111 "00 Variation of the Compass by Azimuth ⊙ observed at Jaw Zuu gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 468 Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours tons /2 20 Coal remaining on hand at Noon 126 "2198 P. M. 863/48 Wxn Cu' Cum 311 118 82 83 78 83 be 2 4 3 6 118 82 83 78 Let fortopraces and 3 83 3 6 118 82 83 78 2-3 main Joffet climails 6 3 2-3 82 03 78 5 3 4 83 78 84 4 0 83 78 84 7 83 3 1,003 83 78 84 3 r 83 83 78 83 78 Su 6 10 0 0 Mid. 83 28 84 Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by an a

observed at sunset

Weather clarky form. Gente breze pour new, Led enout, Light tide sips, thender slighting, Baronelie steady, award 29.91.

(Sgs) BRRees Link ofer

new minu

Moon's declivation = 10 18 20 20

Examined and found to be correct.

Levilenaux & Navigator.

		-					-		_							
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather, by symbols.	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M	1	4	863/48	new	1		30 115	81	82	78	Sy	bel	Ci Cun	2	m	Tookai alto aleviale
2	2	2	1	"	1		113	R	83	78	J4	",	"	2		Pari sail except Sparker
3	2	2	,	,	1		114	81	82	78	f4.	"	7	4		ryal, Mani sail , & fore
4	1	5	,	,	1		114	81	82	18	84	',	"	4		topment stayal .
5	1		"	7	0-1		113	84	52	77	84	be	7	5		
6	2		1	7	1		114	84	83	77	84	7	7	4		
7	2		1	,	/			83					7	3		
8	2	2	1	1	1			83					,	4		9.45 Let for topment +
9	2		1	1	1							bet	7	5	1	for + main tofty stunds.
10	1	5	,	,	1			83					1	5		
11	1	5	,	,	,			80			-		4	3		
Noon	. /	5	"	Sol	,		114	23	83	78	84	"	,	2		
														1.	1	

54 knots & fathoms. Distance run by Log since preceding Noon 7 .31 55 "20 Latitude by D. R. at Noon 150 111'07"W Longitude by D. R. at Noon 2 ·21 · 37 " N Latitude by Observations at Noon⊙ 14 . 47 . un . as Longitude by Chronometer from Forenoon Observations \odot 854.6 Current during the time 21 knots - fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 18 °45 1111 " av Variation of the Compass by Azimuth ⊙ observed at Facus 32 n gallons. Water expended during the preceding 24 hours Water peceria during the preceding 24 hours 1148 " Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours 1 tons 1924 lbs.

. ====		-													
P. M															
1	,	4	86948	Suxus	1	30 115	83	es	79	Sy	be	a him	4	8	
2	1	2	1	NW	1	114	82	85	79	Sup	"	,	4		
3	1		.,	,	1						"	,	2		
4	1		,	,	1						"				
5	2	8	86/46	Sur	2	30 00			1			4	0		Took in topy to pail & right
6	2	4	"	"	2	"1	82	8,	77	84	9	4	1		Jook a flying jet
7	3		,	,	2						"	,			
8	7		1	"	2						,		0		Q+6 " shoten pail
. 9	6		1	8	2					84		4	0		twent aheaden de shaw
10	6		1	686	2	115	83	80,	77	84	bel	4	2		
11	6		,	,	2	116	83	811	77	84	oc	1	0		
Mid	6	2	, ,	"	2	11/1	8	fu	77	84	bo	',	0		
-		1000			The state of the s	The second second	The same	1							

125 194 "

Longitude by Chronometer from Afternoon Observations ©

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Coal remaining on hand at Noon

Wednesday Mich 22

, 18 8%.

Commences to 4 all !! Climby, Inquest flacker of lightning, about the horizon; Barmula plenty, at 12.50 trok air steches & Distretty, accounted 29.88.

Clear that Light and from XW. Smooth Lea. Or 7th per toppalant of foretopenant, Stundails. America 29.90. (Of) Wheelogy Leior your

Sto meid. Weacher somewhat cloudy, but floo out. Occaremal thunder during watch. Light bruge during watch autil 11, when it suddenly changes to Sus. Braces of by the for hoce at that time, Or 900 musteus & nispected areas of quarters, 2° Die fine at tage with the Hotch Kins Rifle, at distance of 100 yes. The broads of the Dis fine at tages with the Remaigton pistol or distance of 40 yes. Distilling water.

(ogs). K Rohner Leur ugu

men by Pru Exercised Master +3 Dis at targer fraction with Small arms + pristale. amenit av out finalos 29.84.

(201 BRRees Leas vgar

Overa and & aloudy. with frequent showes & occarminal flowers of lighting. Lifts haffling briege from Sw. at 4,50 troto in funles suyues & topyaelant said, and get the years parally for coming down. at 430 started the fines in 6 after briles & complete the propeller. anemist 29.90.

(egg) W.M. Imin Martin eggs

1, 1, 8PM

Sundy with heavy rain, bludy her vary little rans, Occasional flashes of lightning Smooth Lea. Light breeze from Sw. at 7 called all hands, 4 tross in and full all pail. Startes ahead with lenguis at 6.42, anemid 29.91. Revolution 39. (ge) or Rellogy First ugel

Heather powershar dondy, but not cuple as aux. Light air from Sto 686. of lighting. Shipender steam - persone No lls. + 40 sev, and 29.98. (Ogo) & Rohrer Lieux Uger

More's declination 18 32 10 26

Examined and found to be correct.

· a		01		/				8				1				
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	337 4hom	Clouds, by symbols.	Prop. of Sky, in 1	of the	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	0	86.46	Sa	1		3, "	83	51	79	84	fal	Ci heni	4	8	Steam alone
2	7	2	- ,	8	1		"	83	F.	19	84	octro octro	,	6		
3	1	8	,	Each	1		111	83	81	79	84	octil	,	0		
4	5	5	,	,	1		1					ocal		0		
5	1,	4	,	,	1							bel		0		
6	1.	4	,	4	1							be				Same
7		4	,	,	1		114	F.	79	77	55	- "	,	3		
8	1.	8	7	9	1						fs		,	2	-	
9	1,		,	,	1		115	8,	fa	97	fr	- 1	1	2		
10	~	4	,		1		Part of the last o				85		,	2		
11	5	2	,	En &	5_		116	FI	F1	78	St	- (,	2		
Noon.	1,		,	26	2		15	de	FI	18	15		1	4		
	Distar	ice ru	n by Log since prec	eeding Noon								119	knots /		home	
													, ,			

Latitude by D. R. at Noon 12 º 51 '00"W Longitude by D. R. at Noon 6 ° 28 '10" W Latitude by Observations at Noon⊙ 12 .46 15 24 Longitude by Chronometer from Forenoon Observations⊙ 824°6 Current during the time ,4, knots ____ fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 3/5 gallons. Water expended during the preceding 24 hours Water processed during the preceding 24 hours 111011 " 1833 " Water remaining on hand fit for use at Noon 7 tons 352 lbs. Coal consumed during the preceding 24 hours

119 " 2082"

I was to be seen in	-				1	The same of	-							1		
P. M.																
. 1	5-	5	86.146	26	2	31,	11	82	82	18	57	be	Cilcum	5	sol	
2	6		SEXE	1	3							"	- 1			
3	6		1	"	3	100					1000000	9	1	5		-
1000000				4	13	1000					55		7	10000		
5	6		4	,			93	83	80	78	85	- "	1	2		
6	6		,	,			95	83	83	18	85		11	The same of		
7	6		4	nw	,		97	54	82	18	85	- 4	Qui	6		
8	5	6	1	1	1		99	Ly	82	77	or	"	1	7		
9	5	6	9	"	1	30	112	83	82	77	85	Leg	1	9		
· 10	8	8	1	1	1							"	1	10		
11	6	2	1	,	1		114	83	81	77	8	by	4	10		
Mid.	6		"	+	1		114	83	83	77	8-	"	"	10		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Coal remaining on hand at Noon

Thursday March 23, 18 8v.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes Hoy aw Communeces Ho of aw blondy toulty, first half of watch. Tenific shows frain, during last hasf thick thunder t wind flasher of lighting, wind Light & variable, arenne 29.88, Cleaning a course 56 1/4 E, Justin 49 lls. + 40 sev. (298) le Rees Leint ages Overage tolondy, with lightning the any rain put hour, change remainder of work, Light eartiely breeze. And with Sea. Barmeter vining. Polities leg rejections of the miles at o'clock bleau pressure 49, Rev. 41, avenue 129.92.

(25) WM Invier Maslew upon the Med. blandy, anone, Plear aut, Light bruge from E. gradually hauling to ME. Smath Sha, Cat 9 "muster and in feated or quarters, at 9 "lovals formands ails + all light sails to dry. By order of Em of Office. RC Manuel (ICB) was juni one day's extra duty for missing muster, Car 12 haules in poleur log, it mad rosk miles, tenemia 29.90, and istiling.

Mend to 4 Pm

Cartty class to 4 Pm Carty clandy swarm, Light breeze from HE, Summer Dormela falling planty. Ship ander steam foresaure 49 lls & 39 per, Distribing, Course 49.40 per Sidnet uger 4th h Pm Paity clen by twarm. Light breeze fine n. E. Smooth Lea, Quemid 29.8h. In to 8 km. blear splearant, Lyhr breeze prom HW. Souroch Lea. Barmelin vising, Patett log, registered 155 miles at & o'clock, amenia 29. Set (491) Will Invive Master Uger Stor Mild Hay amus the horizon, Warne, Light air from 20°410°, Sunt lea, month set at 9°2°, Engines morning 34 turns, aunie 29.85°. Distribition, Coppl, cokelogy Sunt copple Mom's declination = 20 35 08 26 New mons

Examined and found to be correct.

2	,	,	2	29			84	18	1	Ci Cum	7	
3	"	',	1	1000				79	4	"	7	
4	"		,					84	4	',	6	
5	sh	n Sn	,		90	Fr	83	79	, ,		5	
6	,	1	2					79	4	Cu	9	
7	,	,	2					79	4	4	9	
8	,	,	1		97	Ss-	83	79	,	9	9	
9	4	,	1	30	""	84	83	78	bel	,	7	
10	4	,	1	34	112	84	83	78	"	"	7	
11	',	,	,	^	03	Sy	83	79	"	4	5	
Mid.	4	"	1		114	S4	Sz	79	,	"	5	

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

under the command of Commander alt Mi Command , U. S. Navy, Friday Mich 24th , 18 8% RECORD OF THE MISCELLANEOUS EVENTS Commence that all Weather clear of pleasant. Barometer steady. Clouds cirio cumulus. Light air from Sot. Ship under strawn, pressure 49/4 lls, + 34 per. avenid 2978 (ogs) K Robier Liest ages 4th Sam Weather clear of leasant. Light breeze pour n'415, Smooth Lea. Baroneter vising, Soffets engines ar 425, to await daylight, and starter ahead again at 5.00, changing course to nEx 6/16; eighter land at 5-45 right ahead. Changes course at 300 to n n6/16, and stood in for anchorage of mouroin. Land in sight ahead, & extending manly to att be and \$1 and frantal. arenid 29.87. (ogs) betters. Lient agen Clear shot. Light beeze Jund 20 16. Smooth head intanding for anchonings in fat of Mountain, first part quatch, at 5,45 called are hand thing ship to anchor, and as 9,04 let go port auchor in John water, reing to to fue on par claire. Cope necessado bearing the, Sxev, asknow Point SE, Recis aw efficion viet from an office representing the President of Liberia, Sent an officer to call upon the amineux Civil , at 11 tones sail to dry. Draft of ship 13. 8 food, 15. 8 - aft. Hauler ale fries, except in two often boilers, to be west for condensing. Querned 29.85. (ego). W. M. Anoin Master ofer Mendy, hot, deregienable, Light and from Ixed, an officer was sent to pay of fine visit to Eight gentout "algerine". at 9,0 Conry officer of HA men of "algerine faid official visit to Ship, and 29.82. Reced an official visit from US Vice Conral general. Distributy.

Pops, Wheelogg Just Ofer 4th. 8 PM Weather clear oflerant. Baroneter vining stooly. Clouds comes terrio cumulus. Light bregi pour a Sev. Finis banked. Diplieting water, General 29.82. Magd K Robres Lies you Flear aut weather. Light begy fun wsw. Bornute viving, Deitiling, Quemis 2985 Mooris declination = 21" 15 50 %

neev mon

Examined and found to be correct.

Trit, Parker. Lieulenautz Navigator. LOG of the United States Ship Essey

		-	Mour.	via &	ti	be	na									
				WINDS.			BAROME	TER.	TEM	PERATU	JRE,			Hear ths.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.																
1			ctu	11	2		3, 13	84	fs	79		betl	Cun him	6	8	
2			"	,	,			83				belv	,	6		
3			W	,	1		114	83	52	18				7		
4			,	"	1		14	82	-52	18		beli	4	5		
5			7	"	1-4		29 97	83	5,	77		"	"	2		
6			,	,	1		97	83	81	77		bol	Lui	0		
7			,	',	1		30 1111	83	Si	77		4	,	0		
8			,	,	/		01	83	811	77		"	,	0		
9		-	are	,	1		115	8	Sy	77		"	7	0		
10			11	,	1		115	de	f,	77		''	"	0		
11			,	,,	1			82			-	Le	Citumi	2		
Noon.			,	SM.	1		114	বিত্ত	fo	78		ae	"	0		
			n by Log since prec	ceding Noon									knots	fatl	homs.	
]	Latitu	de by	D. R. at Noon										•	,	"	
1	Longit	ude !	by D. R. at Noon										0.	-	"	
		700	Observations at No										0	,	"	
			by Chronometer fro										0		"	
			ring the time					to th	е							
			f the Compass by A			Sunri	ise						•	-	"	
	Variat	tion o	f the Compass by A	\zimuth ⊙ observe	d at								•	'	"	
	Water	expe	ended during the pro	eceding 24 hours										g	allons.	
	Water			during the pre	eceding	24 h	nours								"	
	Water	rema	aining on hand fit fo	or use at Noon											"	
	Coal	onsur	ned during the pred	ceding 24 hours									tons		lbs.	
	Coal 1	emai	ning on hand at No	on									"		"	
			,		1							1	-	1	1	
P. M.														-		
1			hnw	Sur	1		31, 111	82	Fo	78		ocr	mil	0	5	
2			"	1	1		29 98	81	29	77			4	0		
3	1		nxw	1	1		94	89	79	76		de	4	٤	-	Marie Control
4			"	,	1		94	82	80	77		1	4	3	-	
5			,	4	1		98	82	80	78		1	9	2	-	
6			,	,	1		99	82	81	78		,	9	3		
7			,	,	1		30 119	83	fi	18		4	. 4	3		
8			y	, ,	1		111	82	81	78		4	4	2		
9			,	,	1		112	B	84	77		4	a Cum	0		
10			"	,	1		113	82	fo	77		,	4	3		
11			,	,	1		"	82	So	77		4	Sto	2		
Mid.			"	Var	1		14	e 82	So	1		"	Cum Ste	- 3		
	1					1		1	1	1	-					

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Stort Pm Sultry with heavy banks of clouds. Thursteining weather, Experience several light squalls of wind & rain from 10°, Ship rolling moderately to sevel from 20°+10°. Thombus Alightning during enters watch. award 29.811. Heather evereant, cloudy training. Barmeter viving, Light hear from Ho. Finis faulles, directing water, occasional lighting during water. Quenid 29.88 Thather overcast training first fact firsteb. George, whicheing latter part. Known at work cleaning ship by mining trate. The Coming official left the ship to pay official visits to the Butish I man fevar, + to authorities on show, arene 29.89. Disticting first water. Ogs & R Rees Leist ager mend to 40m Dereat, cloudy, varing frist fact. Cleaning latter part. Life brege from stor. Long sweet this poetly early, Fair banked. Districting, amenia 29.83.

(Des) WM Sourie Master agent blondy, warm. Light variable brogs from Sotwer, Ship solling easily to sweet from direction furial. Bleauer bilges, arenid 29.88, Destretting, (ogs) Wheelegy Freich uges Sto Mid County & pleas met. Light air from S'+W-, Baronnetw vising, Dictiding water. Countries baronneter 29.89.

27 07 02 21 Monis declination Kew how

Examined and found to be correct.

LOG of the UNITED STATES This Essey
Mournia Liberia

			ourn	a c	00	n	<u>a</u>									
Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	Force.	Leeway	Height in inches.		Air	Air Wet Bulb,	Water	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is at end of watch.
A. M.			Heth	nw				-	~			Lel	Ci'	3	S	
1			E	E	/		30 11/1	311	30	17			Theirs	1	U	
2			6	6	/		04	fo	79	71.		00	news	0		
3			'/	"	1		114	"	78	N		bel bel	"	0		
4			'	,	1		113	79	18	70		ool	"	0		
5			1'8	1	/		113	79	-78	75		oe	"	2		
6			06	,	1		114	79	77	15		1	7	0		
7			,	,	/				78	1000		"	,	0		
8			7	,	1		115	81	18	17		4	,	0		
9	-		,	,	1		116	fi	19	77		"	Cui Cum	0		
10			SxW ysw	Sx E	1		11/1	82	78	77		80	Cum	1		
11			HSW	1	1				19	1000		"	"	2		
Noon.			"	',	1		06	Sa	79	75		"	"	2		
	Distanc	ce rui	by Log since prece	eding Noon									knots	fath	oms.	
			D. R. at Noon										0	,	"	
			y D. R. at Noon										0	,	"	
			Observations at No	on O									0	,	"	
			y Chronometer from		vations	.0							0	,	"	
			ing the time				r, setting	to th	e							
			f the Compass by A										0	,	,,	
			the Compass by A			Cumi	30						0	,	"	
			nded during the pre-		au									ora	lons.	
	Water		adout during the pre-	during the pre	ooding	94 b	onec							5"	"	
			ining on hand fit for		ceding	24 11	ours								"	
															lbs.	
			ned during the prece										ons		108.	
	Coal r	eman	ning on hand at Noo	n									"			
P. M.					I											
1.11.			21 0.	0								0	Ci		C	
			4 St	8	1		3, 112	84	F1	77		de	aum	1	S	
2			"	"	/		111	09	80	77		4	4	2		
3			0	"	1		11	84	80	77		4	1	2		
4			"	,	1		00	fu	80	17		"	0"	2	-	
5	-		.,	,	/		111	f,	81	18		oed	Qui	0		
6			"	,	1		112	81	80	77		be	Cum	6		
7			,	,	1		113	81	80	76		4	7	17		
8			Hnw	nnw	1		114	8,	Fo	16		bez	Ci	8		
9			new	"	1		118	81	81	77		be	7	5		
10			"	1	1		07	81	81	77		4	4	3		
1	100000				2 2 3 3		1	C	0	1	13500		1	3	1	The second second
11			",	"	1		15	01	80	77		4	"	3		
11 Mid.			"	,	1		04		29	5%		,	Ci Cean	1		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

a

Monis declination = 19° 4 6'38 20 First Quarto

Examined and found to be correct.

Lieutenater S Navigator.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.			Hear ths.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of C Sky, in 10	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			na	wnew	1		30 114	79	29	76		ber	chin	0	5	
2			nExu	26	11-1		30 114	79	79	26		ber be	Cu'au	5		
3			7	"	1-1		00	79	79	26		,	4	7		
4			y	,	,		. 00					7	9	6		
5			,	4	,			-	>1			4	,	5		
6			,	,	1.		113	80	77	75		7	1	7		
7			,	,	1		114	80	17	75-		,	,	7		
8			26	,	1		11	So	18	74		7	,	8		
9			,	4	1		111	80	79	77		1	7	9		
10			1	,	,		114	s.	80	77		,	,	6		
11			1	7	,		"	81	81	74		,	7	9		
Noon.			,		,		ng	82	82	71.		",		6		

Distance run by Log since pre	ceding Noon		knots	fathoms.
Latitude by D. R. at Noon			•	, ,,
Longitude by D. R. at Noon			•	, ,,
Latitude by Observations at N	loon⊙			, . ,
Longitude by Chronometer from	om Forenoon C	Observations ⊙	.0	, ,
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by	Amplitude ⊙ o	bserved at Sunrise	•	, ,
Variation of the Compass by .	Azimuth O obs	perved at	0	, ,
Water expended during the pr	receding 24 hor	nrs	315	gallons.
Water	during the	e preceding 24 hours	3000	w "
Water remaining on hand fit f	or use at Noon		268	" "
Coal consumed during the pre	eceding 24 hour	rs .	tons	lbs.
Coal remaining on hand at No	oon		"	"

P. M.										
1	Ziza	2 w	3	3, 12	5	0 -	be	Culien & Cun	7	5
2	1	1	U			F2 27	1	1,	8	3
3	"	,	3			F2 27	1,	1	8	
4	nw	naw	3	29 97			,	9	8	
5	"	"	5			F2 77	"	1	8	
6	1	"	3	98	820	82 77	4	4	7	
7	,	4	2	30 112	820	52 77	4	,	5	
8	,	,	1	114	84	82 77	9	,	6	
9	,	,	1	114	81	82 14	"	,	7	
10	,	,	1.	1,8	81	51 74	4	,	7	
11	"	,	2	118	Si,	51 74	"	,	8	
Mid.	"		1	119	81	81 76	4	,	9	

Longitude by Chronometer from Afternoon Observations ⊙	•		"
Longitude by Chronometer from Observations *	0	,	"
Variation of the Compass by Amplitude observed at sunset	0	,	"
Variation of the Compass by at	•	,	"

Mes to 4 PM Treacher Clear of pleasant, Gentle breze from MW, Clouds cinis aumulus & cumulus. Barometro fallig, at 1 furles sail, accessio 29,92,

(go) K Rober Lais you

blear splear aut. Sente breze from wonw. Borometer rising, The aide de Cowf Site Greener of Serin Leone, fraid an official whis to the Ship. Americo 29.92. Esceria 3º Dir at langer fractice with gattiffum. expending 1"" mundo.

St. Mid.

St. Mid.

Sto Mid bleartfleavaut. Light breze pan conce. Bright mornlyte, avenis 29.89.

Monis declination = 17° 33° 20° 20 First Qualit

Examined and found to be correct.

Lecelmant Navigator.

LOG of the United States Ship Essex

, 3 Rate, 6 Guns,

		9	Mouros	ia O	Z	ibe	enia	U								
				WINDS.			BAROME	TER.	TEM	PERAT	URE.			of Clear in 10ths.	GL.	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			21×W	2e al	1		3, 14	83	F2	77		bu	_	10	5	
2	-		"		,		119	83	Se	77		"	-	10		
3			218	ne	1		112	8	82	77		Low	ai	9		
4			1	,	1		112	53	82	77		7	4	9		
5			"													
6		" " " " " o do do 77 de , 8														
7		1 1 10 60 79 77 4 19														
8			,	,	1		118	So	19	77		4	9	9		
9			,	1	1		111	83	Fi	77		7	9	7		
10			,	,	1		111	03	or	77		7	9	6		
11			nw	nu	1		111	83	81	77		7	1	F		
Noon.			1	7	1		11	03	82	77		7	,	1		
	Distan	ce rui	n by Log since prece	eding Noon									knots	fath	oms.	
	Latitu	de by	D. R. at Noon										0	,	"	
	Longit	ude b	y D. R. at Noon										0	,	"	
	Latitu	de by	Observations at No	on O									0	,	"	
	Longi	tude b	y Chronometer from	n Forenoon Obser	vations	0							0	,	"	
	Curren	nt dur	ing the time	knots f	ms. pe	r hou	r, setting	to th	е							
	Variat	tion of	f the Compass by A	mplitude observ	red at	Sunri	se						•	,	"	
	Variat	tion of	f the Compass by A	zimuth O observed	l at								•	,	"	
	Water	expe	nded during the pre	ceding 24 hours									350	gal	lons.	

2365 "

tons

lbs.

											201
P. M.											
1	ra	new	1	30 18	fr	sy	79	be	Cu Sti	7	8
2	"	,	1	115				1	"	8	
3	nnw	',	2	114				4	4	6	-
4	',	,	2			03		4	4	5	-
5	4	,	2			82		4	4	5	
6	4	,	4	117	Sy	81	77	4	1	5	
7	,	1	2			Si		4	,	5	
8	7	4	2	10	03	81	71,	4	1	5	
9	"	,	2	118	83	80	77	4	1	7	
10	,	,	1	10	DE	80	77	4	"	9	
11	,	,	1	"	83	81	78	4	Cu' Ceun	3	
Mid.	4	"	1	10	de	81	78	"	"	2	7

during the preceding 24 hours

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Water

Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Commences the yare Weacher clear pleasant. Hoary deer factery during wolch. Light air from M White. Barmeli facting ploudy. at the Eighie sto which came is yesterray oftenions went to sea. Cumik 29.86.

4th face Weather clear sworm. Light airs from HE. Barrento viving. The aneweave tack Grij in the hastor, got ander way + stood out at 7. HBM it algeries making for fut or geting ander way. Ceverid 29. St. (pp.) CRRees Seeis age.

St. Meid.

blear tworm. Light UE 4 briege. Barmeter riving, West to quanters or 9 and airfected ones. Ecceni 1et 3- + Powder Di ar Duace atomo, 2° + naugators at suigle stats, By order of Com of office, parishment were assugued the following named men - I. J. Schuman Seas, & day solitary confinements on head + water for dis-- obeduce of orders, & insolena to officer of Forecaste. He Simpson OCBS of days extra duly for strong himself away while on auchor watch. + 3 days upon duly for calling Complet at Sward without reason. Chos Lleyds (200) odays extru duty for imperdence to Copt of Joh. avenid 29.93. HBM butout algenis, accompanied by the Yacht Prince of Tales left the horter at 9 -.

(gs) WM. Imi Macher Ufl

med by pu belear & pleasant. Moderate sen breeze from M. Amorth Dea. Recis ci Pag. Dept. 2 bbls flower 18th pugar. 1/2 boxes doed fruit, 2 bags Coffee, of this of forward meats, - aunit 29.87.

(ogs)

Wheelogy Suit 2911

Heather char tpleasant. Light breeze from Mor. Bermeler vising. Claudo com str-Rerepes spais a aucinid 29.91. The Deorday of the Interior of the Republic of Liberia came on toars at 6-

Hearant neather Light breeze from new. Bright mornlight Baronalta shady. Moderate sweet. Quenix 29.95.

Monip declination = 1437 20 20 Just Quarter

Examined and found to be correct.

LOG of the United States Ship Essey

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	Charles of Alba	Vorma of	Clear Oths.	State of the	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.			50 70 - 1	. (0				
1		345	nnw	· uw	2		311 17	Si,	do	77		belt	Their	1	24	
9			"	"	2		115	81	Fo	16		"	"	0		
3			1	',	2		116	Fo	80	76		oclv	,	0		
4			,	,	2		114	fo	So	77		oclut	4	0		
5			Ux6	nx E	2		112	So	80	17		our	1	0		
6			"	"	1		112	do	27	74		oc	7	0		
7			"	',	Z		115	So	77	73		och	1	0		
8			"	',	2		18	So	77	74		oe	,	0		
9			1	1	1		119	So	27	14		"	1,	0		
10			1	,	1		10	So	81	76		be.	a min	7		
11			1	,	٤		119			1		"	Ci Sho	6		
Noon.			,	',	2		118	50	82	77		"	,	5		
															1	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	, "
Longitude by D. R. at Noon	0	, "
Latitude by Observations at Noon⊙	0	, ,,
Longitude by Chronometer from Forenoon Observations⊙	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,,
Variation of the Compass by Azimuth ⊙ observed at	0	, ,,
Water expended during the preceding 24 hours	315	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2000	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

			the state of the same of the s	which were not be recommended by the second					Contract of the local division in which the local division is not to the local division in the local division					
P. M.			7											
1			ctx&	crx &	1	30 01	81	82	18	97	Le	Cu' Cum	5	8
2			ch	",	1	14				1		4		
3			"	ä	1					77	"	1		
4			crerw	W	1	111	82	84	78	77	4	"	5	
5			./	, ,	/	119	82	84	78	77	4	"	5	
6			8"	"	3	"1	82	82	75	83	7	4	5	
7			Su	wsw	3	12	de.	82	78	83	.4	"	2	
	4	10000		"	1	115	82	82	77	82	7	Cui	4	
	5	The same of	1	"	2	The state of the s		82			1	"	2	
10			1	,	3	The second		-		83	1	Ci Shi	3	
	5		1,	,	3		100000	82		100000	,	"	1	
Mid.	V	5	"	"	V	112	80	81	17	03	4	,	1	

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

Wednesoy mad 29t, 188%.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences tuntil 4 au. Colean & pleasant first half of watch, ocaarinal theudo & lighting, as 2,30 had a light squall of wind train from 50 400°, remainder of watch digiting rain. Light breeze from 20 40 vev. Moduate sever from 10° 400. Quenia 29.87. (ogs) collectogy Lint agu

4th Faul Weather cloudy, with occurred light shower of rain, Light bruge from h x 6. Haites clouds. Barmelin viving, avenue bearmeter 29.95

(95). K. Rohner Levir agen

Weather party cloudy sworm. Light and from Mb. Murlind at quanter at 930, exercised marters, Poroder, + 30 Dris at single stick, 1st +20 Dris at small arm. and marine Guard at Horizon, avenid 29.92.

(egs) bellees Leis agar

The Prints secretary of the President of Liberia, came on board as a feasinger. blondy twaner, Light airs from ME to W. Horited, riggerin + ceenes badto for Rea. Startes fries under 4 after boilers at 3. Lot main Topparland thoyals yard or dick, Rose of Cat & Fish, accurie 29.80.

(ego) W.M. Surin master ugu

4 to 6 Bu

blondy, warm, moderate sew buye from it 400. Anunthea. at s, called all hands I have apport auchor, & starter ahead under clean, at 6 trok departure, monnie light bearing 6/4 26, destant 1/2 miles. Ships drags find 13. 8- 9/1, 15-8. aunid banneles 29.86.

(40) co Keepy Luis ager

Weather somewhat chady, but pleasant, Barmeter sising. Claude coming Verino Cumulus.

Light to gentle bruge from les & W. Shef under steam, from hour le " lle, Rev 32. as Johanned Course to 86x 8, by order of Comog Officio. animal 29.88

Sto Mid

Pressure 16, ets, Rev 31. Quenia 29.90. (sgo) belles Liens cyer

Monis declination = 11 11/11/11

Examined and found to be correct.

Levelmanh & Navigator.

Longitude by Chronometer from Observations

observed at sunset

Variation of the Compass by Amplitude

Variation of the Compass by

Making passage from mournia to Bassa

no	ar	ul)	passa	ge fin		,,,	ourn	ra	, 14	0 /	Ca	ca				
		0		WINDS.			BAROME	TER.	TEM	PERAT	URE,			Clear 10ths.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of C Sky, in 10	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	5	4	Soul	Su	/		30, 113	80	81	77	F3	de	Ci Gun		1	Steam
2	5	1		"	1		01		81	18	85	ocal	hein	0		
3	4	6	,	,	1		"	Fo	fr		83	,	"	0		
4	3	4	,	7	4		29 99	So	59	16	83	ocqdl	7	0		
5	stof	teo	"	"	2		98	80	79	76	831	"	5	0		
6			ne	26	/		3, 112	do	79	77	83	ocal	7	0		
7	4	6	n6/46	"	2		113	do	79	77	84	ocne	,	0		
8	def	teo	8	sur	1		118	do	79	77	84	oev	,	0		
9	"		154.	n &	1		"9	Fo	19	77	St	"	,	0		
10			200	"	/		.11.4	78	78	74	84	1	,	0		
11	"		nne	76	/		10	78	79	75	-84		Ci hui	/		
Noon.	"		"	nxw	/		113	19	De .	74	83	1	"	1		
												11		tem	L,	
			n by Log since prec	eding Noon								31,	knots 9	fatl	ioms.	
			D. R. at Noon										0		"	
	899		by D. R. at Noon										0	,	"	
			Observations at No			0								,	-	
			by Chronometer from					4. 4								
			ring the time f the Compass by A					to th	е				0	,	,,	
			f the Compass by A			Sunr	ise						0	,	"	
			ended during the pre		1 at								320	OCO.	llons.	
	Water		adda daring the pre	during the pre	cedino	94 1	OURS							5"	"	
			aining on hand fit fo		Course		louis					. ,	731		"	
			med during the prec										ons		lbs.	
			ning on hand at No										"		"	
P. M.												R	X			
1	4	4	21 × 10/4 W	nna	1		30 113	79	Fo	74	83	de	Ci Cun	1	1	Steam
2	4	8	2×00/400	,	,		01	79	80	74	83	4	,	1	1	
3	4	0	una	1	1		29 94		1	74		7	"	2		
4			46	,	1		97	1	0		83	4	4	1		
5			Hx 2C	,	1		99	79	A	74		7	"	3		
6			w	"	1		3, 01	Fo	do	75		1	Cisto	4	-	
7			"	,	,		43	80	-	74		4	"	5		
8			"	1	,		114	80	80	71.		,	"	4	+	
9			26	4	,		16	80	1	77		9	Cui	4		
10			86	Van	0,-1		11/1	fo	100000	77		*	"	3	-	
11			886	"	1-1		11/1	fo	82	77	-	,	4	2		
Mid.			"	"	11-1		10	80	03	77		"	"	2	7	
	Long	itude	by Chronometer fro	m Afternoon Obse	rvation	ns O							0		"	

Thursday mich 31, £ , 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes to 4 aw leady, varing und lighting remainder of watch, at voto stopped & got a cast of deep sea lead, no bottom as so fine. Haven in Potant Soy, Reg 92 miles, avenis 29.86 (pgs) com. Invin master age

blandy, racing designe at to, Sultry & gloring weather. Survet bea. There du & leghting fine two libers of states, at 4 "servedes Aget 31 fluo, mendely bottom. Or 6 wear ahead was 7 stopped sugaries & sounded, got 21 few, mendely bottom. Form 4 to 11, & from 1 to 8, surgices at office & ship making on headway. Low land in sight, after daylight, bearing from no 18 to 6 & 6, anemia 29.86 1991 Wheelogy Lieux uges of the Meelogy Lieux uges

Heather rawing teloudy part fact of watch. Cleaning up in latter part. Light breeze from 46. Barmelow falling the plands carries & minters, I Greing to waiting for creating to the clear price to distinguish landomarks, and a steam, presume onthe. Land in Right for MRW point of horizon, to the right as for as the SSE point. Sea somewho, this eteraty, hotient second villages along whom, also some paid trow brats, account 29.92

Mend touthow. Light anis from it in w. Starter ahare at 12,00, and raw along the color for an anchorage off Baren. Ot end finale standing by anchor. Count 29.82.

(Syr) BRRees Sieut vyer

blundy tolean aut, Lyle and four to M. W. Song proces. at 4: let go port ancher, in 7th for walter, occurrent to 40 four or four chair. Bearings at analongs, Rassa print ISE 16, Mi Dovoce fruit 2x 6: 1-6, Sent a boot as how with the Builent Sentay, other. Communicates and over Comme at Buckanaw. Banker fruit. Austin Master Lyd.

(pgs), Co.M. Avoir Master Lyd.

Str. Mid.

Weather clear ofler and, Bright montrelarlight, Breeze light from " Hew, around to Sw. arg noticed a west definise tide rip. In fourted. aware 29. 88, Home Suipaw (198), + H.G. Pacturow Isto, on extra duty by adu of Cowy officier, the former for missing muster, and the latter for impudence to the marker as arm.

(gu) K Rohrer Lieux you

Momo declination = 14. 11 "18" W First Quarter

Examined and found to be correct.

Levelenans + Navigator.

gallons.

lbs.

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours

Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Water

			(Dassa	. Libe	n	w										
	-																
					WINDS.		-	BAROMI	TER.	TEN	IPERAT	URE.			of Clear in 10ths.		
Hour.	Kne	ots.	r announg.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 10	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M	1	chan	ed,	886	Var	0-1		30 05	- 59	80	77		be	Cú	2	8	
9				. ,	wsw	2		43	79	81	17		"	Ci Cum	2		
3				,	,	1		112	79	81	77		4	"	3		
4				16×16	na	1		" ""	79	80	78		4	Cisto	8		
5			1		"	1		44	79	Sa	76		9	"	6		
6			1	"	"	1		11	79	79	16		4	1	7		
7			1	nxw	uxu	,		112	79	78	75		-	1,	8		
8			1	"	"	1		1.3	79	78	75		,	"	8		
9			1	26	nnw	1		114	80	80	76		7	Ci Cum	6		
10	Stop	tu,	1	SSW	w	1		14	Fo	81	77		"	"	6		
11				Su	1,	,		03	Fo	81	77		4	"	7		
Noon	. 5	-4	1	"	"	2		110	Fo	81	77		4	"	7		
			1								-				-	who	
	Dist	ance	rur	by Log since prec	eding Noon								18	knots 6	fath	oms.	
	Lati	tude	by	D. R. at Noon										•	,	"	
	Long	gitud	e b	y D. R. at Noon										•	,	"	
	Lati	tude	by	Observations at No	on O									0	1	"	
	Lon	gitud	e b	y Chronometer from	n Forenoon Observ	vations	0							•		"	
	Curi	rent o	luri	ing the time	knots fr	ms. pe	r hou	r, setting	to th	e							

P. M.					1										
1	1	11	886/46	wsw	1	2	9 98	8	82	78	83	Le	Ci Cum	6	2
2	1,	"	,	"	,	1		1	1000	28			1	7	
. 3	3	4	86/28	w	2		91	5	8	78	83	4	1	8	
4	3	5	16x 6	"	2			1200	1000	78	10000		4	8	
5	cirp	Les les	ssw ue	new	1		99	81	83	78	82		4	7	
6			n6x no	"	,		9	8 81	83	78	85	4	,	6	
7	2	6	SSW	1	2	3	00	0 81	81	18	83	',	,	2	
8	4	8	"	1	٤	2	9 9	9 81	. 81	78	82	4	4	4	
9	5	2	"	4	2	3	" "	, 8,	81	58	8	och	"	0	
10	2	4	888	4	2		"	, 8,	81	79	83	ocatl.	neni	0	
11	4	8	"	,	1		1.	, 8.	81	79	83	"	"	0	
Mid.	4	8	"	"	2		41	8	5,	79	8%	ocal	1	0	

during the preceding 24 hours

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at sunset Variation of the Compass by at

Friday mch 31 d

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes thousand

Clindy spleas aut. Light variable winds, barmeter forling. aunid 29.84

4 th face

Clear the want. Light bregs from new, at I loved said to dry, Fines bunker, avenil 29.90

In Snetter the Presidents securtary returned on board. blear, pleasant evann. Light seas breeze from 10°, Long moderate xwell from cv", at 8 reced aw official visit from it & Couralar agus ar Barra! Or 9" he Concelor agent left, ar 9 Jules pail, as 93" mustered & inspected or quarter. Exercise the name Brigades ario called all hands, and how if fort auchor, + stood down the coast under strain, Laced in right bearing from 16 16 SE. nearest distant about I miles. Steam 43 lls, Res 32 th 31, Quenia 29.91. aril took departure, Bassapoint & E, destour smile, Ships speed 1.2. June Sw. as 12 changes course to & & & /4 6.

(ego) Wheelogg his ogu

Weather clear oplianant. Barmele facting. Clouds como accenter. Light breg from when 6. 3. C familes the ship west, xxlopped the engines by order of the Comy officie. at 300 Standing som the Coast for Tembo, ship under cleans, freezen vills & 38 modulos. Out section of Boys wistructer by Schoolmaster, and another in transaction by midir of Water . Quemia 29.79.

(ogs) R. Rohm Lins agen

4/4 /1 Bm

Weather clear ypleasant, Guide broze from no 400. Amont Sea, Martino ar quater as 4 30 Finis as, 9 in sheel, expending 40 ll pender of from fromes. Zying off land during sution watch. Quesico 29.79.

(ogo) BRRess Lieut agos

(it. 8PM)

lit. 8Pm

Course SSW, Par over paties log, Steam v8lls, Rev 33. auenia 29.87.

(pgs) Wondmin Master Cegar.

Sto mid,

bludy. Heavy shower frain 10 to, 11', at 9 50 changes commen to SSE. Swent Sea. Steam 43. Rev 34. Quenid 29.90.

Ago, Wheelogy Least age

Mornis destruction = 2-09, 20 20 First Quarter

Examined and found to be correct.

essel is under

LOG of the UNITED STATES Ship Essey
Making passage from Tembo to Sinor Liberia.

	Me	ek	iii	of passa	ge finn	De.	m	to tu	-	en	08	de	bena	•			
-					WINDS.			BAROMI	TER.	TEM	PERAT	URE.			Clear 10ths.	- 9	
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of C Sky, in 10	State of the Sea.	Record of the sail the ves at end of watch
	A. M.	5		SSE.	usu	1-2		30 01	81	fo	77	83	bow	new	1	2	Steam
1	1 9	5		"	"	1-2		00	Si	So	77	83	bew betl.	Cui	1		
	3	5		,	1	2		29 97	81	So	77			hui	0		
	4	6		,	7	1-8		94	8,	8,	77		"	"	0		
1	5	4		"	na	1-3		94	F,	A	77		bore	Cum	3		
1	6	stop	tes	SE	"	2		30 119	fi	Fo	77	85	be	"	2		
	7	21	6	226	"	2		. 10		fo	77	13000	"	", .	4		
	8	6	0	"	2 wx W	٤		01	SI	Fo	77	83	4	Emi	5		
	9			,	1	٤		113	8,	79	77	83	oer	"	0		
		Stop	les		1	٤		13	F,	So	78	83	oe!	1	0		
	11	"		,	1	٤		113	f,	Fi	18	83	· ev	"	0		
	Noons	M	ted.	SxW	,	2		4	8,	So	78	æ E	"	"	0		
1	Noone	11															
		Distar	ce ru	n by Log since prec	eding Noon								86	knots —	fatl	toms.	
				D. R. at Noon											,	"	
				y D. R. at Noon										0		"	
				Observations at No	oon O									0		"	
				by Chronometer from		rvation	s ©							0		"	
				ing the time				ır, setting	to th	e							
				f the Compass by A										•	,	"	
				f the Compass by A										•	,	"	
		Water	expe	nded during the pro	eceding 24 hours									330	y ga	llons.	
		Water			during the pr	eceding	g 24]	hours								"	
		Water	rema	nining on hand fit fo	or use at Noon								,	1185	-	"	
		Coal	consui	ned during the pred	eding 24 hours								6	tons 93	6	lbs.	
				ning on hand at No										" 160		"	
	P. M.			×													
	1	3		unw	nas	4		311 00	, 80	78	76	83	oer	hear	0	2	
	2	3		"	"	4		29 97					4	"	0		
	3	4		nnxw	,	4		94	-	1000			oe	6	0	183	
	4	ar	her	ne		4		91	0	/	1000		"	1	0	1	
	5			,	,	3		94	8	/			Se	"	1		
	6			,	,	3		91	A	1			7	Ci Cu	1		
	7			,	4	3		3, 11	, 80	79	76	,	och	" Min	0		
	8			4	4	3		0,	5	79	74	1000	ac	Cu'Ceu	0		
	9			,		4		11	3 80	/	71		,	",	0		
	10			"	,	4			- 80	1	76		,	4.	0		
	11			,	,	4		"	0		75	350	ocgh	Trun'	0		
	Mid.			',	,	3		"	7 79	77	74		ocgl.		0		
								1	1	1		1	0.01				

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

Daturray april 1 et , 188%.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence to 4 acu, Weather, cloudy thoraling sain, drigling occasionally, Light bruge from 00 800, Barrenter facting slowly, Under steams, forseen 52. lls 32 sev. andie 29.83.

Cloudy with accominal shower of rain. Light bruge pour in " 480 . Stopped the engine at 5. to mait daylight, started ahear at 6.5 to shaped course In E. Changes course at 1555 to 47 E, Sighted land and on both bows at 6.5. Got casts of lead at criterials. Barmutu rising and 29.82

Quent 29.82

Cloudy, raining tokies, Cleaning occasionally for a short terme, Light bruge Just the cox W. at 8 got as counting with deep sea lead, bottom at 35 pers, suft mud. Jook an other ariunded of the with same pasult. Startes ahead at 8; at at 5 per stoffed to got a something in 34 few, their chance abead. It spending 121 fe miles, at 10; changes course to naw, potent log reading 122, 1. sloffed at 10 per feteste log reading 122, 1. sloffed at 10 per feteste log reading 122, 1. sloffed at 10 per head was a something in 29 few. Startes ahead at 10 2, at 10 to head wast. at 10; to topped training, to rectify thought with while rope, stoffed at 11; at 11 per another something in 31 fews, at close of watch, land ahead that tom. are 11, at 11

Meist, 4 pm

Blondy, theory showed frain first two hours funtate. Moderate been from hew, Moderate been found of the land. A changing comes frequently, Jook Carts of deep pea lead. at 1. 2, 2°, 43°, got bottom at 35 for 3n from, 23 from, 422 from, Sleaving at half akup. at 3, carles are hands and ah 35 cause to with Att anchor in 9 from water, hard soung tottom, 4 vermed to 45 four Reacity of anchorage, South Pt, 16 x 6 1/2 6. North fit 26 1/2 6. St. 21 1/2 20, Sent a boat on show with the Brisidents finite secretary, Commenced distriber Banker finis Courses 1969.

Wearho pleasant. Light brege four WW. Barmeto viving, blands hunters, tein commun. Ship rolling easily. Fire's banker, Distilling water, auend face, 2388, at 55 muslew or quarters

81. Mid.

Overcant relandy with heavy rain squaels. fast two hours. Chaving at the close. Light brogg four BH. very to lette, thesheving. Quenid 29.92.

moon's destriction = 12319 5 Fruit Dr

Examined and found to be correct.

Line Navigator.

TT	T			WINDS.			BAROME	TER,	TEM	PERAT	URE.			Sear ths.		
Hour. K	nots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb,	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			New	nu	3		30 05	79	79	16		ocl ae	Auin	U	2	
2			7	"	2		114	79	79	74		ae	1	0		
3			"	,	2		113					,	"	0		
4			,	',	2		110	78	77	73		7	1	0		
5			,	"	2		29 98	76	74	72		,	neni Ste	0		
6			wnw	26	1		99	76	75	73		"	1	0		
7			",	"	,		30 10					4	1	0		
8			1	,	1		114	76	74	14		"	1	0		
9			1	1	1		06	78	78	70		9	"	0	-	
10			. 1	,	1		"7	78	79	16		"	1	0		
11			,	,	1		"7	18	80	77		"	1	0	130	
Noon.			,	,	,		118	18	8	77		"	"	0		
Di	stan	ce ru	n by Log since prec	eding Noon								10	knots C	fatl	ionys.	

Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 325 gallons. Water expended during the preceding 24 hours Water Reactived during the preceding 24 hours 1510 " Water remaining on hand fit for use at Noon 3 tons 489 lbs. Coal consumed during the preceding 24 hours Coal remaining on hand at Noon

P. M.														
1			ctxw	Wx26	1	30 11	Fo	79	75	Log	Ci Cuy	3	2	
2			"	"	,	13	1				"			
3			H Sw	Sus	1	100	100000				4			
4			"	"	1		1000	fu			4			
5			"	1	1		1	811			"			
6	1,		,	"	1			84			1			
7	1	2	1	,	10000		10000	8n	1000000	1	Cu'			
8	1	2	,	,				50	1000	1	"			
9	3	五	SEx8	,				89	-	"	ai Cem	-		
1		4	",	,				Sn		"	4			
	10000	4		Calcu	0		10000	80		,	"			
Mid.	1,	4	"	6	-			80		"	"	2		
1					1		10000	1000	1					

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Commences Horacow, Cloudy, occasional light showers of rain, cool. Ship volling from 10 to 15-, to evere from new. Auenid 29. 8h.

(pfs) Wheelogy Lint age

41. 8aus

Weather cloudy but pleasant. Bornuete vining, Clouds stratus + Minitus, Ship rolling early to large much from 21 400. Finis towards, Destricting. Light and from 20 4 76. America 29.92.

bludy swamme, Light and from n' 46°, Smeret Sea. Burneter siring, Carles are hands to mention as 9 " + read out for belle Lovernment of the nay, + muster to the court. actioning Buil Rose of the Republic of Liberia ireited the Ship. In accordance with the recommendation of The examining Board the following from teas are made, Stephan. S. Laurener, when Muller, ca Linducer, & Julies & actionare 2° Cl Boys to 1st change. I W 11Wilson, Wow J. Davis, & Jus Cleve 1 change to be Sea 2° Cl, Loosed the lift sails to dry, aremid 29.92,

(20) BRRees Link agen

Mesta4 PW

Warnertendy Light variable airs, Baroneter facting Finder light sails at 30 Brought to set ahair, our ff cat & fish fact, Coisters + riggs in for whaltout. Called all hands upaucher at 4 - auenia 29.01.

(gs). com humi mastu ugu

(ogs) wheelogy Link type

Mr Inetto returned on bond, Mr Sherman & mr. Juela, Liberian Senators came a brand as pessengers. blondy, pleasant, Light air from Sa, moderate severe from derection furnice. Sommet Sea, as 4th calles all hands & hove up sto anchor & steamer out of Since Road, and headed down the court. as 4 troll departure, Bloombrana fr. bearing Exil, destaut I mile. Ships draft 13-6 ford, 15-8 oft. Remainder of watch standing dawn the coast. Landin sight on port bearm & quarter, Rev 38, Steam him. lls, averoid 29.92.

St. mid

Party clu by splearant, hazz; bright mornlight. Changed course at 8 2 to 86/26. Bornleter spearly steady, anenix 29. 98. (490) CRREES Laint Ugal

Morris declination = v 42 06 8

Examined and found to be correct.

LOG of the UNITED STATES Ship Essex Maskuig passage from Sino to Cape Palmas

				U	0						-						
			-		WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
н	our.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	777 45	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
	M.	1	2	861/28	SEXE	,		3, 10	811	811	77	£3	beg	Cui	4	8	Steam
	9	1	1,	"	"	,		29 98					ac	him	U		
	3	1	4	"	"	2		30 116			1	1		"	0		
1	1	1	4	"	,	1		114	84	79	75	83	",	",	0		
	5	5	5	8x6-/28	,	2		113	fa	811	74	84	"	",	0		
	6	1,	1,	"	,	2		ny	fa	fn.	77	83	be	Cu hum	1		
	7	1,	4	,	,	2		115	fu	89	77	N	"	,	1		
1	3	1		nxw	"	2		"7	811	81	77	80	1	"	1		
	9	1,		7	nxw	2		10	811	84	77	82	7	"	1		
1	0	1,	,	7	"	2		11	80	f1	77	82	1	Ci Cum	1		
1	1	5.	8/1	nnus	,	2				fy				ai'	1		
No	on.	lines	lor.	"	,	1		"9	fu	Si	77	82	"	"	/		
		Distar	ice ru	n by Log since prec	eding Noon								114	knots J		oms.	
	1	Latitu	de by	D. R. at Noon										0	,	"	
	-			D D - Non										0	,	"	

Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude O observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 315 gallons. Water expended during the preceding 24 hours 5000 " Water Jeceird during the preceding 24 hours 1695 " Water remaining on hand fit for use at Noon 9 tons 444 lbs. Coal consumed during the preceding 24 hours 80 " 706 " Coal remaining on hand at Noon

and the same of th	 NAME AND ADDRESS OF THE OWNER, TH									_	-
P. M.											
1	na	nxw	1	30 119	811	51	77	be	Cú	7	1
2	"	,	1	116		-		re	a Cum	-	
3	,	1	1	113	81	81	77	"	1	0	
4	,	"	1	111	811	81	17	1	,	0	
5	1	"	1	112	84	81	77	be	7	2	
6	7	1	1	112	89	81	78	7	4	3	
7	"	,	1	113	84	81	79	"	"	3	
. 8	"	"	1	45	- 81	8,	79	4	"	4	0
9	www	nw	2	111	81	811	78	ac	Cisto	0	
10	"	"	2			1	79	,	"auw	0	
11	5"	"	1	"	811	81	77	THE RESERVE THE PERSON NAMED IN	+		
Mid.	hiv	"	2	12	80	80	78	,	"	0	

Longitude by Chronometer from Afternoon Observations ⊙	•		"
Longitude by Chronometer from Observations *	0		"
Variation of the Compass by Amplitude observed at sunset			"
Variation of the Compass by at	•	,	"

Commences de 4 acm

Commences to 4 all of the steiner, and frequent lighting last to hours. Sight bruge from SEXE. Barmeter facting. Steam 58 lls, Rev 38, anima 29.90 (sgs) won Inmi Master ager

4 to face blondy, pleasant, account flacks flighting first how furth. Smooth ha. at 4" phops come 6x8 1/2 S. x at 7 to 11x cos. at 7 got cast of deep Real had. no bottom at 60 foro, Land air eight after daylight being 26. Rev 43. Steam 511 lls. Queni d 29.94 (ogs) wheelogy Leist ogs

It mend.

Weather clear & pleasant. Light brege from MXW, Baroneter steady. Clouds comis + cirio cumulus, Under steam 58110, & 39 Rev. Standing along Ofneau coast. for the and may at Capo Palmas, at 5,0 hove the country lead, stoffing the engines, in bottom as 90 pus. at 10 stoffed engines & got a cast fithe country lead, bottom at 32 four, muddy. Quarter despens with on account of heat. Or 90 menters and infectes or quarter. Exercis Pardu Dis at Surace arms. 2° Dis at suigh sticks, + 8° at Small ams. (Ogs), RRober Luis you

Mend to 4 Pm blandy en arm, Light airs from n'+w-, Smooth Lea. Barmeta falling. Caren to at 12/20 of Palenes, in I fino water & ocered to In pros on sets charle. at 1 the Siberian Senators & officials from Mourina were sent on show, being extendes the und commonis. Loves said at 1, ! Bearing forms anchoraged West Point Russ more Island, SE, Wreck 51/8 S. SHO. aunik 29.80

blea splearant. Light brege from SxW. Barometer vising slowly. anema 29.9". Fulls sail at 4.30.

(Sys) CRRees Seint agen

St. neid,
Neather cloudy but pleasant, Burnetu riving, Light bruge from HW Clouds
and stratus & chumlus. Ship rolling early, Curried 29.9%.
(sgo), K Robert Link ager

Jul thow

Examined and found to be correct.

LOG of the UNITED STATES Ship Essex Cape Palmas Liberia

, 3 Rate, 6 Guns,

				WINDS.			BAROM	ETER.	TEM	IPERAT	URE.			Clear Oths.	State of the	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of (Sky, in 10	State of the Sea.	Record of the sail the vessel is une at end of watch.
A. M.			na	na	,		30 11	, fo	79	75		oc	Ci Ceun	U	2	
2			"	"	1			i da	1	10000		"	1	0		
3			,	и Е	2		11.	5 54	79	75		.//	1,	0		
4			"	. "	2		n	, 80	79	70		be	4	4		
5			nxw	2440	2		11.	89	78	75		4	",	1		
6			"	"	,		"	, 811	76	74		,	new	1		
7			1	1	1		"	8 80	77	75		1	Ci	3		
8			1	"	1		10	8"	78	16		1	"	6		
9			,	,	1		"	, 64	79	76		1	1	9		
10			W	8	1		11,	, 80	79	77		7	"	9		
11			Sw	"	1		119	9 81	Fe,	77		7	1	6		
Noon.			SSW	,	1		"	9 82	80	17		,	"	7		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon		, ,,
Longitude by D. R. at Noon	0	, "
Latitude by Observations at Noon⊙	•	, ,,
Longitude by Chronometer from Forenoon Observations⊙	•	, ,,
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	•	, ,,
Variation of the Compass by Azimuth ⊙ observed at	•	, "
Water expended during the preceding 24 hours	310	gallons.
Water during the preceding 24 hours		. "
Water remaining on hand fit for use at Noon	138	5 "
Coal consumed during the preceding 24 hours	tons 2	o o lbs.
Coal remaining on hand at Noon	80 "4	06 "

-		A STATE OF THE PARTY OF THE PAR	NAME OF TAXABLE PARTY.		_	_						-	-	-	
	P. M.														
	1		wx8	wxs	1	3	3, 04	82	81	71	be	Cu	8	8	
	2		,	,	2		.02				*/	1	8		
	3		W	"	3				8,		"	11	8	100	
-	4		"	,	U		60	82	81	76	"	"	9	-	
1	5		"	',	3		00	82	81	76		Ci'Cum	~		
1	6		"	1	3		03	82	81	76	4	4	8		
	7		"	,	3		06	Sz.	Su,	76	7	"	7		
	8		"	,	3		17	81	Su	76	"	1	8		
1	9		"	4	3		07	81	811	74	4	1	7		
1	10		/	,	3				84		4	1	F		
4	11		"	',	1		09	80	79	76	4	1	F		
-	Mid.		"	"	2		09	50	79	76	"	"	4		

Longitude by Chronometer from Afternoon Observations ⊙ Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at sunset Variation of the Compass by at

Commences deutil 4 au. Commences deutil 4 au. Borometer fallenj. anis) Cloudy spleasant. Light breeze from new, Smooth Sea. Borometer fallenj. anis) 29.92.

blear pleasant. Light bregs from nxw. baronula ring, aunid 29.95.

belear twarrow. Light breeze from Sev. Smooth Lea. Or 920 mueteurs or quarter.

Sustructio 1st Did or ordinance, 2043 Divs at Dright plicks, Pondut Hangetons
et ornall arms. Comog officie left the ship to marke official cares on show.

Quenid 29.90

(29.5) Co Reelegy Sint Upor

Med to 4 Pm Weather clear & pleasant. Light breeze from W. S. Circis clouds. Swood Sea. Chaust belges, award 29.85.

Ogs, K. Rohren Leist aged

Paidy cloudy spleasant. Light bruge pour lox S. Mention at quarter at 5 th Commenced districting water, Queenid 29.90

(Age) BRRees Views agen

ble ar t pleasant. Light see brege from wood, Bright moralishe Natiting, Quemid 19.95 (Sp) Wheelogg Leios GW

Monis decluiation = 13 \$8, 39 8. Julmon

Examined and found to be correct.

Tot Parker. Navigator.

, 3 Rate, 6 Guns,

_		1														
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Clouds, by symbols.	Prop. of Sky, in 1	of the	Record of the sail the vessel is under at end of watch.
A. M.																
1			wnu	una	,		30 ")	80	29	16		bol	Cui	9	8	
2			"	"	2		12	Fa	19	26		,	1	9		
3			nxw	,	,		1111	Po	78	11.			"	9		
4			"	4	1		110	S.	18	74		"	,	9		
5				4	1		011	do.	79	71		beg	Cu Cun	8		
6			,	,	1.		111	Fo	19	71,		7	4	9		
7			,	,	,		"	50	79	11.		"	1	9		
8			1	7	,		102	80	79	97		,	,	9		
9			"	,	2		113	81	79	27		,	7	8		
10		5	See	,	1_		115	2	fo	27	83	,	,	8		
11	3	6	SLW	w	,				80			9	Cui	8	1	Steam
Noon.	1	8		DxW	,		110	03	F,	17	8		1	/		

15 knots 9 fathoms. Distance run by Log since preceding Noon 4 017 13" 2 Latitude by D. R. at Noon 3 ·46 28" al Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at 310 gallons. Water expended during the preceding 24 hours 600 " during the preceding 24 hours Water received Water remaining on hand fit for use at Noon 1675 " 3 tons 1902 lbs. Coal consumed during the preceding 24 hours 76 " 694 " Coal remaining on hand at Noon

Name and Address of the Owner, where	1			CONTRACTOR OF THE PERSON NAMED IN	1	District Co. of the						The same of		IN INCOME AND ADDRESS OF	Name and Address of the Owner, where the Owner, which the Owner, where the Owner, which the	STATE OF THE PARTY.	
P. M.																	
1	8		SSW	Sxw	,		30	118	82	A	77	83	le	Ch' Cum	4	8	
2	8		"	,	2						77	100000	7	4	3	"	
3	7	8	,	Sw	J			,				83		Cum Turin			
4)	4	"	"	U						77		4	"	2	2	
5	6		,	8	2		29.	99	83	83	77	85	9	Cu'sto	,		
6	6		4	4	2	1000		-			77		1	"	2		
7	6	2	7	,	U			",	A	82	77	Ss-	4.	"	3		1
8	6		"	,	3			IL	8	, 82	74	85	- 1	"	5		
9	0-	6	,	,	3			1,2	Sz.	82	74	85	1	"	6		
10	J-	8	,	,	3			113	8	82	71	85	,	Gui	4		
11	6	4	,	,	2			114	F	Si	11.	8-	- "	1	5		
Mid.	6	8	,		2			44	82	82	71	5	"	"	6		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sur

Variation of the Compass by agricult o at 4 pm

7 . 40'00'

. .

200

Commerces Store and, weather clear opleasant. Light brezo from wo new, Barosula falling. anis class. Occasional flashes flighting. Districting water, Coursel 29.88,

Weather clear teroner. Light breze from a new. Borneter rising. Distribing, water Sout Kroomers on show brones dependent gones or 7.2. Row off but spich. Startes fine purdes at boiles. I made for parations for pear. averied 29.90. (ogs 1 b R Rees. Levis cycs)

Cleary warm fint fat, blonding ever latter part. Light air from Eve vering to So. Barmeter viving . Howite + second 1st whale boar for Sea. Bought to sto chain. Called all hause ap aucher ar 9.5. states ahead as 9.5 form bells as 10: ar 9: trok departure, bape Palmos bearing (pc, 86x 6/4 6. destant 11/4 miles, Ships head Sev. at 10 put over fature log & shapes course & SW, Draft of ship 13 ft. 8 ford 15. baft, Secund both laweles for pear, aubeut & struct below both chain. Made of and stouch away Fel & port acrings, are ridge ropes & arrivings standions, as 10, - ser lit, flying fit and Spanker. Shaw 60 lls. Res 48. averid 29.911.

(egs) Um Inoin Master Egu

meis to 4 Pm

blondy, hot. Light and from & Hest. Light breeze at end of watch. Moderate evele from Start Interested 1st section of Boys at studies, at 3-tross in fore taft sail. aumid 29.82. Steaming with 4 briles, Res 40. Steam In lls.

(95) CO Kellogy Lent Oft

teacher cloudy but pleasant. Light breeze from So. Borometer steady, with a tending to fact. Sea smooth. Ship steady. at 4, 45 menters as quarter. & cinmiderately after, aired prime stones. Hudu shaw, free of the.

(440) K Robert Swint of w

Clear Aplearant. Euch hegy four Sev. Smooth Sea, Barmeter vining, anie 29.811.

Theasant weather, Light breeze from So. Long swell & and ship futching envoluntely. Stram 57.8 Us. Rev. 41. ausnid 29.90 Whitness Mashrager

Morris declination = 17° 01' 182" of

Examined and found to be correct.

my townke Lealmant & Navigator.

-				0		_	7	-	-	-	and the latest terminal to the latest terminal t			a to make the		
				WINDS.			BAROME	TER.	TEN	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.				,												
1	7	2	SSW	1	2		30 112	83	81	75	fr	Lez	Gi Cum	2	2	lean.
9	6	8	,	",	2		111	S	82	77.	85	"	1	2		
3	2		,	.,	2		11	53	82	76	fr	to	,	3		
4	2		,	,	2		11	8	82	17	8	1	4	2	-	
5	6			,	2		119	8	81	75	55	"	1	1		
6	6		,	7	2		29 98	. 53	Si	7-	85	7	"	7		
7	6		,	,	2		3, 114	83	fi	71-	85	7	Cui	F		
8	6	5	,	8x6	2		nu	कु	F,	75	85	,	"	6		For topail was ? "
9	6		"	"	2						85	,	Ci' Cum	F		For theil was ?
10	6		,	,	2		117	र्स	82	71	85	,	,	F		
11	6	6	,	,	2				52			,	,	P		
Noon.	6	8	"	"	2		118	8.	32	71,	25	,	,	8		
															-	

Distance run by Log since preceding Noon 154 knots 9 fathoms. Latitude by D. R. at Noon 1 " 22 '33 " 22 9 ° 52 10" W Longitude by D. R. at Noon 1 028 17" 20 Latitude by Observations at Noon⊙ 9 041 15"00 Longitude by Chronometer from Forenoon Observations⊙ n1,406 Current during the time , J knots - fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 20° " 00 Variation of the Compass by Azimuth ⊙ observed at face Water expended during the preceding 24 hours 310 gallons. 1360 " Water during the preceding 24 hours Water remaining on hand fit for use at Noon 9 tons 1208 lbs. Coal consumed during the preceding 24 hours 11 " 1721 "

1		-			-	1000000	1		Total Service					Name of Street		
P. M.																
1	3	4	Ssw	wow	2		3. 11	1 83	83	76	85	be	Gi Cum	7	1	
2			,	"	2		10000	-			-	"				al plani sail exceps
3	4		"	"	1-3		1	2 83	83	17	85	"				marriail.
4	1	2	186	Sw	1											In thomas stayed.
5	1		86x8	"	1		29 9	9 8	84	28	85	,	1	3		
6	1		"	"	,							- "				
7	1		,	1	,							- 1,				
8	1		86/28	,	1							"				
9	1		"	Swx8	1		1	14 54	83	27	85	bep	Cu' nui	7	8.	
10	1	1,	. "	"	,							"				
11		4	10/226	"	,							- de				
Mid.	1	4	/	"	,							,				
	1000	The same					1		1300	1			THE RESERVE TO SERVE	1000		

Longitude by Chronometer from Afternoon Observations ⊙

Coal remaining on hand at Noon

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by G at 4 pour

Commences 4th, 4 acc. Cleaning. Res 43. Please 61. lls. Quemà 29.54. (gs) cokerlogy Luis ugu

Weather clear oplea aut. Barmeter vising, Clouds, curies & cris curulus. Leng evel for So, to which the Ship fitches gently. Light brege from Sto, Sx E. at 7. set fore & aft sail, having baces arms the yorks by the fast braces at 5. Under steam, from 5th lls. Rev 40.

(eys) K. Rohrer. Lieut ugar.

Stu Meed.

Clear twarm, Light air from &x El, Smooth Sea. Rasmeter ving, Musture as quarter at 9", exercis master + 3" Dis at Light sticks, 1 = 2" Dis & Marin Brand of small arms. By order of Comy Office We Suipon (10B), was give I days Politary conficement on head to water, for persistent skulling & disobediese of order. If I blanke (10B) was given I days extra duty for skulking while getting and way. Forkin main Ingail as 9". anemia 29,90, Stearing a course SSU, Pressure so. Res 42.

ege BRNees Levit agen

Mens to 4 Phs

Orders were guen by the Coming Office at 1,00 to allow steam to seen dawn, except for distilling funposes. Or 25 stoffed steaming, & called all hands make pail. Made all flair sail to Royale, except manipail, Hodulis fine and stoboiles at 35 Guerrid 19,83.

(20) commin Masker Mas

4 to li Pas

Clear of pleasant, Light an form Sw. Smooth lia, Moderate bregg from 5° + 14. 4 to mention at quarters, at of how to their up articles, which has droffed restored.

Squared away thoritis tout again, Districting, amound 29. At.

(40) CO Kellogy Swint ught

Weather clear oplinant. Bornetwing. Sight aur from Ses. Sea smooth. Ship steady.

Bright startights, Districting evater, america 29.86

(pgs) K Rohner Luit your

St. Mi'd
Party cludy Afleas and, Light brigg from S' 700°, Sunsible Worr Ship of 10, "Exercised at fin qualters, of 11, - anemia 29.88.

(Sgs) BR Rees Leist of w

allovnis decliration = 19° 27' 43" of

Examined and found to be correct.

Trask. Lieulerauby

Longitude by Chronometer from Observations

observed at sunset

at 4 pm

200

Variation of the Compass by Amplitude

Variation of the Compass by Wy

, U. S. Navy,

, 18 8%

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences to 4 ach.

Commences to 4 ach.

Commences to 4 ach.

Cops MM humi Traster uga.

41. Sacret

Clear, dondy, fleas aut. Light an from SxW. autil 7, when would fushwes to light breze. Substitute Lea . Long on oduste severe from 5°, Set Main Irypail, Distribing avine 29.80.

Weatherchar Apleas out. Barmetw steady. Clouds cernis, eins cumulus, & minitus, buelle briege from Sxcotor & E. C. C. q. sounded the fire alarm, and all six seportes ready in 2 m 10 re. Secure was sounded, & all six reportes secure in 5 min. Soundes a 2- alarm of fire, and all stris reportes in 1.30, Secure was sounded & all reportes secure in 3.30; Distilled, ausmith 88.

Mend to 4 Promo occaminate phones of rain, won ship ar 3 pm, Werhauled formed bilgo fumps + famo them in good order. anemia 29.82. Districting, egs & RRees Lieux ugh

Over out, cludy furt hour, and preparent rain equals last hour. Light breze four Sx al vering to Ste. I furthering, at 4, was taken about by a readden shift fromis. To back around a fort there, ar v- went to quarters, as 6, trok in Royals, flying jis to Infigure outs to a equal, Set toppalant sails ar 6, so havind 29.8v.

(Ogo) Win Immi Marker Ugen

[1.16.88m]

bludy. sutty, Light breeze pour St. Swenther. Or 6. 2 changes course to swed. Drajking oain during watch, Districting. Converid 29. 84

Legos W Keelogy Lais agen

8th Mid.
Weather quintly flearant, though theating rain, Light air pur SExtt. SEW.
Ands countles & mita, Distorting water. anemie 29.88.

God / K. Rohner Lewit Uger

Monip dealrintin _ 20 06 16 8
Jule mon

Examined and found to be correct.

Lieuleraut to Navigator.

m. d.	how to	Montevideo.
maning ,	passagerin	" omeviae,

		T		WINDS.			BAROME	TER.	TEA	PERAT	TIRE.			ear ns.		
Hour.	Vanto		Courses steered.				- Danies		-			State of the Weather,	Forms of Clouds, by	of Clear in 10ths.	State of the	Record of the sail the vessel is under at end of watch.
Hour.	Knots	Fathoms	Courses section.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air	Air Wet	Water at surface.	1 1 1 1	symbols.	Prop. o Sky, ii	Sea.	at end of watch.
		Fa				Le			Bulb.	Bulb.	surface.			P. P.		
A.M.									1373							
1	1		Suxs	246	1		30 112	82	Su	98	84	Bak	Ci him	2	L	Availed up Injoint + Spander
2		5	- +	"	1		111	82	fa	18	84	fe	,	4		Plani pail to toplet sails
3	hoe	ten	way .	Calm	"		29 98	82	81	98	84	00	4	0		except Manipail
4		9	"		11		94	81	8n	28	84	"	,	0		
5	1		w	Ssw	1-1		97	89	29	29	84	ocqv	1	0		
6	2	8	"	"	1-3		98	81	79	17	84	"	,	0		Mani sail except marisal,
7	2	8	01/236	"	2		31, 112	811	79	27	84	de	1	0		
8	3		wxs	Sxw	2		112	80	79	9%	54	',	1	0		Set marinsail.
9	2		Ssw	686	2	1	113	811	98	97	sy	1	4	0		
10	3		Wx 8/2 8	886	2	,	113	83	811	17	fr	"	1	0		
11	2	4	W/28	1	12	1/2	114	83	811	17	55	- be	',	1		
Noon.	1	5	,	"	1-2	1/2	114	83.	81	17	85	- "	',	1		,
		1														

4 / knots 6 fathoms. Distance run by Log since preceding Noon (11° 30 13" 20 Latitude by D. R. at Noon 8 .29 '39 "as Longitude by D. R. at Noon ° 47'50 " 70 Latitude by Observations at Noon⊙ 8 . 49 '03 "20 Longitude by Chronometer from Forenoon Observations⊙ n 48° W Current during the time / knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 20.00' "W Variation of the Compass by Azimuth O observed at Saw 315 gallons. Water expended during the preceding 24 hours Water received during the preceding 24 hours 1050 "

Coal consumed during the preceding 24 hours

1 tons 0444 lbs.

Coal remaining on hand at Noon

13 " 2 1 11 "

1	-		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN		Part of the last of	-	-				1			The second second second		-	The second second
P. M.																	
1	1	5	wswha	8	1-2	2	3,,	111	82	81	27	Sy	oc	Ci Cien	0	1	
2	2		Wx8	Sxcv				1				84	-	,	1	767	
3	1	5	wsw/2 st.	8								Sep		Cui		11	
4	,	5	Suxwhar	dx6				_				Six		"	9		
5	1	6	Swx8	686		1/2	100000					84		Cu'Cun	-		
6	1	6	Suxw	dx 6	2	1/2						84		,			
7	2		Swxwhw	1	2	1/2		99	82	811	17	84		"	13000		Same
8	1	8	wsw	1	/								,	4	-		
9	2	5	,	7								54	9	4	7		
10	3	4	wsw/400	,	2	1/2	,	15	81	81	77	84	,	,	7		
11	3	6	w/28	,								84		,	F		
Mid.	2		ev.	SxW	2		-					fu		,	7		
-					1 CO 10 A	100	1000		THE RESERVE OF THE PERSON NAMED IN						-		

Longitude by Chronometer from Afternoon Observations ©

Water remaining on hand fit for use at Noon

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

240

Variation of the Compass by Oz O at 4 form

8.54. "00

• , "

2530 "

20°45 "00

Commences & to & Aon.

Our cost with passing shower frain, Would light & von able, Barmela falling.

Alsped distitling thouled fine, Josh in Main Trypail & spanke at 12.2. Guern's 29.89.

(290) BRRees Lieut ago. our aut & cloudy, with heavy rain squallo fait hour. Light brege from SSW. very to bear specking. Barroute vising. Or 7° set Royals, flying jit & Spanker, avenus 29.90. blondy, hot, suttry, Light been from S. Smooth sea. Ot 10 set mainsail. + bruend smokestaen timenid 29. 50. Last a fattle are overboard by accident.

(91) co Keelogy Lent uger

Mens to 4 PM Weather aut. Barmelu faeling alonely, Cloudo cino annulus, terrios, Sea Surnt. Ship volling lacily to a plight sweet fin S. Sight aus from SXCV to 5x E. annul 29.82.

(egs) K Rohner Siene cycl.

blear & pleasant. Light breeze pour Sitté. Sommathe les. Barometer rising, Musleure ar quarter as 4. avenire barometer 29.82 (ogs) bolles Siris Uger

blear & pleasant & hyphs startists, Light breeze from Sx E. Barowette vising slowly. anil 29.83.

Ogo Wordsum Master ugw

St. Mid Clear & poleasant. Light breeze Jun S. Amort Sea. Bright monlight. anemid 29.81. (ago) cokelogy Line agus

21 20 05 8 allow's declination Jull suron

Examined and found to be correct.

On	Ma	Ku	if fars ag	a to Mo	out	en	des									
				WINDS.			BAROMI	TER.	TEN	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.		1														
1	2		axx	Ssw	1		29 99	82	Se	77	Sy	be	Ci Ceu	5	2	Wel plani sail to orgals.
2	1		nnw	Suxs	1		3n nu	100				11 .	Cum Frein	1		exapt man Tryeat
3																Hauls up Main pail +
4	1 USW 6 01. 98 82 82 77 88 80 Gi Cum 9 to															trails of exactor as 2 20
5	to plunge way Calow 0 96 50 81 78 83 " " 8															
6		"	70	"	0		98	199	81	18	83	1	Cun Sto	7		Set maisail + Sparker
7		5	WxX	8	0-1		30 00		di	78	83	2	"	5		
8	1		w		0-1		02	So	81		23	9	1	5		
9	1	6	"	Sxw	0-1		115	to	P,	18	83	,	1	7		Hauls du stagsail.
10	1		"	"	0-1		"7			78	83	7	"	8		,
11		6	"	"	0-1			A.	-	18	8	,	7	8		
Noon.		6	"	,	/		"	St.	83	78	8	,	,	5		
	Distar	nce ru	n by Log since prec	eding Noon								36	knots 5	fere	homs.	
]	Latitu	de by	D. R. at Noon										1110 29	5	" "	r
1	Longit	tude	by D. R. at Noon										9.14	2 '2	1"0	· C
]	Latitu	de by	Observations at No	on O									0 049	9'1	2"2	r .

9 . 37 min Longitude by Chronometer from Forenoon Observations⊙ 7 41°W Current during the time 1.25 knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 21.30 "05 Variation of the Compass by Azimuth ⊙ observed at Fall 315 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 2215 " Water remaining on hand fit for use at Noon tons 300 lbs. Coal consumed during the preceding 24 hours 1,2 " 2150 " Coal remaining on hand at Noon

-		-														
P.M.																
1	Ca	lu	waw	Calen	0		20 111	84	f3	78	24	de	Ci Cun	6	2	
2		5	- uxw	Sxus	0-1	177	113					7	,	4		
3	2	5	w/22	"	1-2					78		4	"	4	-	Let for topment stay sail
4	3	5	w	,	2	1/2				77		4	"	4		
5	3	5	wha	SSW	2	1/2			1	1	Sx.		Cur Cum	2		
6	. 4	4	W	"	2	1/2					84		Sti Can	7		
7	4	2	w3/48	SxW	2	1/2		2000	100000		Sy		7	6		
8	J	2	- "	,	4	1/4			10000		Sy	,	Cu Cem	7		Ser Trypail.
. 9	6		wswhw	8		1/2					54	1	4	6		1
10	5	4	1	"	3	1/2					SH	,		6		
11	5	+	4 3/4 8	Sxco	3	1/2			100000		84		,	5		
Mid.	4		wxs	"	3	1/2		10000			Su		Ci	8		
		1			1	1	/	-		1	-			-	-	

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by Og O at 4 pm

9 ° 3n' nn" W

210 "44

Commerces Stort and Weather pleasant air fin's tlatter part of watch. Blondy training in miadle fast, Breeze light transible. Iroken Main vaie thanker. at I brack the good armous by the fort brace to a change funie, & finially squared thew. Lea smooth, In tricing up harmoured clothe at 12, the Main Iroman lost a harmon och over board. awaried 29, 84. Hearher party cloudy, & puttry, very varm latter part Jaratch. Barmeta rising, Light and from Sol calino, Het marisail & Spanker as 6. anenia 29.89. (gs) Chave Lint regn Clear that, Very light airs from SxW. Led amonth, at 8. Trok in spacker to spread fook awaing. at 8.00 haules down fortopment stays out, at 9.5 went to quarter, Coming officer uniperted ship verew, By order of Coming officer releases com Sinfras (1 CB) of from confinent. at 10, " forwered life book to pick up regul number that went over board. Was weable to find it. Boat released to Ship at 11. horited + second, Course 2990 (ogs) W. no. Inoin Master ugu Mend to 4 Pms blear shot, Colon finishour favalch. at 1,4° light bruge spring up fun. Sxcv. at 3
ser fortopinash clayearl, anemid 29.85.

(950), Whielogy Luis ayer

4th GPns

Weather clear Aplearant, Barmeter steady or 31.01. Clouds cerio cumulus, cumulus & stratus, Surort sea, a shatum of clouds, redig to condemned spacing to leccond. accord 29.86.

Weather generally clear & foless out. Gentle truze to St perhening towards on I finalet. It Spanker at 7.4 Main Trysais at 7.7", anenie farmula 29.90

(93) BRReer Sien's agent

ble or Apleasant, bright startight, moderate brege from So. Mom one at 11. " Cerciand 29.98.

Monis dealers to Jul morn

Examined and found to be correct.

Troy Darth Luilenaut & Navigator.

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations Variation of the Compass by Amplitude

Variation of the Compass by Gy O

Coal remaining on hand at Noon

during the preceding 24 hours

Water

LOG	d of	th	e United St	ATES In	h	0	esex						,	2		Rate, Guns,
4	Ma	K	in pass	age to	u.	nte	ride	20,								
				WINDS.			BAROME	TER.	TEM	IPERAT	URE.			Clear 10ths.		
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	State of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.																
1	4	0	W	Saw	3		311 17	82	do	77	84	Se .	Ci Cum	5	8	Plani sail to myst
2	4		"	"	3		11	82	80	77	84	- 1	"	7		
3	5		wxs	"	3		04	82	So	18	84	1	"	7		
4																
5	5 3 5 " " 2 /c " 2 62 80 78 83 , Cum 9															
6	6 3 5 , 2 1/4 12 82 80 78 83 , Com set 9															
7	35 Wx8 " 2 1/4 12 82 80 78 83 ", Complete 9 " 35 Wx8 " 2 1/4 10 82 80 77 83 " , 9															
8	3		U/28	SSW	2	1/2	118	82	do	76	3	1	"	9		Torkai Rhouker Y are auto
9	3	8	u sw/w	Sxul	3	1/4	118	82	80	76	83	,	1	f		Jorkai Sporker & ar action of marial and.
10	4	2	"	"	3	1/4	16	82	80	77	83	,	7	9		
11	4	4	wxs	,	3	1/4	65	- 82	81	77	83	',	,	9		
Noon.	5	0	"	,	3	1/4	05	82	- 61	77	8	1	,	9		
														1	1	
1	Distan	ce ru	n by Log since prec	eding Noon								93	knots &	fatt	ioms.	
	Latitu	de by	D. R. at Noon									,	000 2	. 4	2" 2	
]	Longit	tude b	y D. R. at Noon									,	0 0 5	0'	" (S.
]	Latitu	de by	Observations at No	oon O								-	1002	3 '5	9" ;	ev
	Longi	tude l	by Chronometer from	m Forenoon Obser	vation	s ©						,	1 018	: 4	f"a	
	Curren	nt du	ring the time / .37	knots f	ms. pe	r hou	r, setting	to the	е			1	n 50	·u	-	
	Variat	tion o	f the Compass by A	amplitude ⊙ observ	ed at	Sunri	ise						0	,	"	
	Variat	tion of	f the Compass by A	zimuth O observed	lat	fa	in						19.4.	_	" 0	S
	Water	expe	nded during the pre	eceding 24 hours									321	ga	llons.	
														200		

P. M.																
1	5	-8	wites	Sxw	4	1/2	311 44	fz	81	77	85	La,	Ci Cum	9	5	
2	6		wxs	show	4	1/2	1			1	83	,,	",	8		
3	7	8	usw/ras	"	3-4	1/2	100000000000000000000000000000000000000			77	The same of	1	1	8	1	
4	J	8	usw	1	3-4	1/4		100000	1000	37		,	,	2		Set Spanker to
5	5	7	usu/w	"	3-4			The same	1000		83	,	4	6		weather der of model
6	ot	2	usu	"	3-4		1111	82	81	77	83	,	4	5		
7	4	5	usured	1	3	1/2				77	10000	4	,	9		
8	4	5	The state of the last of the l	1	3	1/2	114	82	8"	37	53	y	*	8		
9	4	4	"	"	3	1/4	114	83	50	77	83	4	Cum	5	2	
10	4		Suxu	8x6	3	1/4		100	- 77.77	17		4	Ci Cum	6		
11	4		Swxw/2w	,	3	1/4	"7	82	fo	77	53	,	1	7		
Mid.	4	4	usw	,	3	1/4					83	,	"	2		

at 4 pm

tons Zan

1,2 " 1850

lbs.

, U. S. Navy,

, 188%.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

onmences 4 to 4 am blea & ple co aut. Light to moderate breze pour S. Smooth Sea. Bright mornlight.
aueroid 29.87.

(gr) Wheelogy Lewis of a

4t. 8 and

4th face blear & pleas aux weather, Barnette steady, Cumulus estratus douds. Smith Sea, Light bregg from SSE to SSW, Quem'd 29.92! (95) K Robrer Liens ager

St. maid

Clear opleas aut. Levele breez from SxW. Baroneter falling. Cook in spouler at 82, in order to sprad poof acoming. Haules of aracter clew of Marinail as 9: " Exercise at General Quarters as 9. Bloke out the hold, & cleaned bilges. By order of Com of Officer the following furnihments were assigned, Herber Hayes (Las), 10 days extra duty for sweeting Amining muster, & Sulis Harbinaw (1CB) o days extra duty for missing muster.

(g) BRRees Lewis agen

Barneter falling. Re-stowed fire hold. arenid 29.86.

(Ogs) WM Inni Master Ugu

4th 1. AW

Charplessant, Moderate trade come from S. Smooth Lea. Os 4.45 mustums as quarters. Instructed all Dis at Ordnauce, Set Spanker. America 19.89

(pgs), Wheelogy Finis ager

(pfs), Wheelogy Finis ager

Charpeles aux weather, Guite breez Jun S. Claude cumulentains commiles. Suroit Rea, Baronutu risig, aumil 29.89 (ogs) K. Rohner Leis ages Sty Mid)

St., Mid Clear & pleas out. Gente breg from Sx E. Americh Sea, Barmeto atealy, The more voce at 11... Querid 29.89.

18 29 ,68 Moon's declination

Examined and found to be correct.

Leculemant Navigator.

Noon.

		(11													
				WINDS.			BAROME	TER.	TEM	IPERAT	URE.		T	Clear 10ths.	Charles	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Dry	Wet	Water at surface.	by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	4	Suxce	Sx 6	3		3, 12	82	51	77	83	Le	ai aun	6	8	al plan oail
2	5		"	1	3		1111	82	81	77	83	,	1	4		
3	1.		,	1	4		29 97	82	81	77	53	"	"	5		
4	1,		,	1	4		94	81	fo	1)	8	,	"	4		
5	7		,	"	4-5		99	FI	Fy.	57	83	Legar	Cum him	3		
6	7		Su	886	40		3, 110				83	0	,	3		
7	1		"	"	3-4		"1	Si	81	17	83	begg	,	¥		
8	1		"	"	3-4						ક્લ	1	,	4		
9	5	-5	usw	Sx 6	4		113	81	f,	27	83	be	Ci Cum	3		
10	1		"	",	4		115	82	5,	77	82	,	,,	5		
11	4	5	,	S	3						83	,	Cú	3		
		5	,	" >	7			Si				,	0.0	(7	17.5	

118 knots fathoms. Distance run by Log since preceding Noon 1 013 1111 8 Latitude by D. R. at Noon 12 ° 45 '58" W Longitude by D. R. at Noon 00 . 39 . 47 8 Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ 13 0113 39"00 2 32° W Current during the time /. 42 knots __ fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 210 W " Variation of the Compass by Azimuth ⊙ observed at Jaun 310 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 1585 " Water remaining on hand fit for use at Noon tons 300 lbs. Coal consumed during the preceding 24 hours 62 "1550 " Coal remaining on hand at Noon

			THE RESERVE AND PARTY AND PERSONS ASSESSED.														
P. M.	,																
1	4		uxs	8	3	1/4	24	98	52	£	77	83	to	Ci Cum	4	2	
2	3	2	"	"	1000	1/4	1				7		"	"			
3	2	6	,	7	7	1/4					77		"	4	1000		
4	1	8	"	,	2	1/4						23			1		
5	3		who	,	2	1/4					17		,		4		
6	4		w	SxW	2	./4					77		,	7	4		
7	5		"	"	2-3		30	119	82	81	77	83	" "	4	3	0	
	5		"	"	2-8			",	82	51	17	83	1	4	4	2	
9	4		uxs	',	2-3			12	82	51	77	83	1	4	1		
10				,	2-3			113	52	51	74	23	"	,	5		
11	-	100000	41.8	,	3		100				71		",	Cum	0		
Mid.	4	1	WX8	',	3			01	82	-51	74	83	"	"	6		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by Og at 4 pm

13°16 24" co

, U. S. Navy, , 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Ator And Pheaux weather, partly cloudy. Bright moralight. Moderate breeze from 8 ° 46°. aunid 29.86.

blear repleaseut, mil che exception of light shower of driggling rain ar 546 o'clock. Moderate breez unt occasional light aquallo pour SSE. Smooth Lea. Scrubbea windrails, avenid 29.86.

(pg) Wheelergy Truir ages

St. Meid.

Weather pleasant. though hot. Barrueter alonely vining. Clouds ciris & cumulus, Cumulus, Cimiles, Cimiles, Amintus, Amintus, bleaning bilges. at 915 mention crur at quaters, - Exercised 122, 45°, Diris ar great genes. ar 8 changes course to WSW. by order of Comog Officies. Moderate breeze from Sta Sx E.

mend to 4 Pm (egs) & Robrer Swit cycul Theather party cloudy & pleasant. Geneto breeze Jum S. Smooth La. annia 29.82 (Cys) BRRees Swit ager

Ht. 1. Pros Obeas out weather, Light breeze from S, haulengt. SxW, Qt 450 called ale hands Antew sail for exercise, at 5. made sail, at 5, es & Spanker, aunid 29.80. (Os) WM Inmi Mossles Ugal

1. to SAW blear & pleasent, Light breeze from & 400°, Smooth bear auenid 29.8%.

St. mid Weather clear of the as aut. Barounter steady, Clinds cino cumules, & cumules. Sen smorth, Light Ingente briego from Sx Ow. Auenid 29.98,

(290) K Robner Lieux Ugas

621058 Ollow's declination -Last Quarter

Examined and found to be correct.

Making passage to Montevides

			0					_	-						_	
1				WINDS.			BAROME	TER.	TEN	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	I DIV	Wet	Water at surface.	Monthey	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	Total	,	and	1		./			-	,			Cun	,		e, .
1	4	2		0	3		29 9%			74		be	un	9	2	Planie ail to my als
2	4	y.	W/48	"	3	14	97			71,	83	",	"	4	-	
3	4	4	axs	"	3	1,	97	20	fo	16	83	"	"	4		
4	5	8		dx E	4	1/4	97	A	fu	14	83		Cun him	,		Took in ongoto + fy Dis
5	5		asw/zw	8	3		97	79	80	75	83	oer	"	0		
6	3		asw	"	2		30 00	Fo	78	75	83	00	hui	0		
7	3		Surce	Sx6	2		01	do	28	16	83	. 11.	"	0	,	Set myslot fly lis.
8	4		"	"	٤		03	fo	78	11,	83	"	,	0	-	
9	4	2	',	7	٤		05	-51	99	77	83	ocd	"	0		
10	5		wsw	,	2				D	and the same	777	,	,	0		
11	8	2	"	,	L		06	3	fo	77	83	60	,	0		
Noon.	4	5	"	1	2		06	82	5,	77	रि	oed	,	0		
														-	notes	

Distance run by Log since preceding Noon

during the preceding 24 hours

99 knots & fathoms.

Latitude by D. R. at Noon

1 .32 23" d

Longitude by D. R. at Noon

14.28.31" W

Latitude by Observations at Noon⊙

1 . 211 47 8

Longitude by Chronometer from Forenoon Observations⊙

14 045 21"00 21 55° W

Current during the time & knots fms. per hour, setting to the Variation of the Compass by Amplitude @ observed at Sunrise

Variation of the Compass by Azimuth O observed at

Water expended during the preceding 24 hours

Water

300 gallons.

Water remaining on hand fit for use at Noon

1285 "

Coal consumed during the preceding 24 hours

tons 300 lbs.

Coal remaining on hand at Noon

62 " 12 50 "

				The second secon	THE RESERVE AND PERSONS ASSESSED.	The same of the same of	-		-		-					
P. M.					-											
1	3	5	usw	Sx E	2	3.	, ""	Po	18	75	83	æ	Cun heri	0	2	all plani pa
2	I	5	,	/"	2				1	1		4				
3			- Wx8	Sout	2	/			13000	12 15 16 16		"	Gi kim	0		to myslo
4	2	5	wswhow	"	2							Le	"			
5	1	8	who	,	,		97						,			
6	1		Suxw/ew	"	1	,	98		100000	1000	10000		4	,		
7	1		Suxus	8x6	1	3,			1000	10000	100000	4	4	4		
8	1	4	"	"	1							4	4	6		
9	3		"	186	12		113	81	80	71	83	,	1	6		
10	3	2	1	"	1-2		115	80	19	34	8	beg	,	6		
11	5		"	,	2-8		11/1	fo	79	11	8	"	',	N		
Mid.	4	4	"	"	2-3		116	So	19	11.	8	de		6		
		100000				1000		1000		1	1000		1	1000	100000	

Longitude by Chronometer from Afternoon Observations ⊙

14 .46 34"00

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by Og 6 at 4 pm

Conneces to 4 account, and occarmial light a quallo, Christ hauling to 6 de Imensible as Barometer charles, who occarmial light a quallo, Christ hauling to 6 de Imensible as Barometer charles, who have offered myst offered as the Rees. Level ugas 4.5 account ugas of the state of the said sound to be superfrom Storing to 5x 6. Romanula king. Set organo to flying fits as 7.2. Quantic 29.89.

Sto Maid.

Islandy with high abover framis. Sight to moderate thereof from Stor 5x 6. Smooth lea. as 9: I menter are quarters, Exceeved 1 the moderate thereof from at small arms, 7 the sois at surface to the country of the storing loss of the surface of the

Meather cloudy but pleasant, Baronette faeling, Clouds comis cumules & hunitus.

Light breeze from Sto Sx E. a sail in sight on fort quarter standing about a ac.

aus another on sto quarter standing about a x E. Observed a large school of black

file: summing foodest to our counter. Oflie general employed in scraping the fairt

Af poop fleas. Cumin 29.86.

(gs R Rober Liver Uger

Weather cloudy owners. Light aus from St., Son with Sea. Barrelle stead, Musters or quarters at 45 4 mentioned Dies in Orderand Catestian, Called hel hands as 45 to sholen pail, reserved at statening I fulligation. Quemid 29.89.

(ogs) SPRes Lear age

(ogs) SPRes Lear age

(ogs) SPRes Lear age

(ogs) WMI Immi Mossto age

(ogs) WMI Immi Mossto age

(ogs) WMI Immi Mossto age

Clear & pleasant, Light buy Jun 186. Smooth Sea. award 29.92.

St., Mid

Clear & Cheanant Moderate breze from SSE. Smooth Sea, Barrowler Stady. accord 29.93.

(aga) Wheelogy Freis ager

Monis decluration = 11° 119' 13'S last quarter

Examined and found to be correct.

July Parker. Sientemant & Navigator.

1.0G of the United States Ship Essex Making passage to Montemides

				WINDS.			BAROMETER.		TEMPERATURE.			State of the	Forms of	of Clear in 10ths.	State		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.	
A. M.				1.5								1					
1	2	0	Suxu	Dx &	1		29 99	80	79	76	53		Cum	9	d	all plani oail	
. 2	2		,	"	1		98	fo	79	11,	82	1	Cun Ste	-8			
3	3		,	116	2		Sn 011		-		82	,	",	8			
4	0		,	7	2		111	80	19	76	52	,	"	4			
5	4	2	7	,	3	1/4	00	80	fu	74	52	,	,	6			
6	5		"	1	3	1/4	111	80	80	77	Su	,	1	6			
7	5	2	,	,	S	1/4	113	80	So	77	82	,	1	7			
8	J-	4	,	1	3	1/4	115	- 80	So	77	52	,	,	8			
9	5	8	"	,	3		118	80	80	74	F	,	,	9			
10	5	8	,	1	3			-			82	,	,	8			
11	5	8	,	,	3		118	01	81	77	53	,	,	6			
Noon.	1,	1	,	, (3		18	81	81	7%	53	,	,	5			
												0-		ter	do		

Distance run by Log since preceding Noon knots 6 fathoms. 2 .25 3"8 Latitude by D. R. at Noon 15.34.45.00 Longitude by D. R. at Noon 2 019 58 5 Latitude by Observations at Noon⊙ 15.38.44cu Longitude by Chronometer from Forenoon Observations⊙ 2 3306 Current during the time 3 (.) knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 20 °00' "W Variation of the Compass by Azimuth ⊙ observed at facu 300 gallons. Water expended during the preceding 24 hours during the preceding 24 hours 985 " Water remaining on hand fit for use at Noon tons 300 lbs. Coal consumed during the preceding 24 hours

		No. of the last			1								-	
P. M.														
1	3 3	1	asu	186	3	54 11	82	81	74	F3	de	Cum min	4	2
2	1,	2	"	,	3				76			Ci Cum		
3	11	5	1	7	3	14		10000			4	7	3	
4	7		,	,	34	113	82	82	77	82	4	,	4	
5	7		4	,	4	111	82	81	7%	82	9	Cun ste	9	
6	7		"	,	4	011	81	81	77	82	4	a am	_	
7	1,	8	"	,	4	11	81	81	77	82	4	"	7	
8	8		1	,	4	113	81	81	77	82	4	,	7	
9	8	6	"	,	4	112	81	51	77	82	4	4	5	
10	8	6	4	,	4	113	81	8,	77	82	,	4	5	
11	8	4	"	,	4	14	811	Su	77	82	,	A STATE OF THE PARTY OF THE PAR	4	
Mid.	8	4	,	',	4	10	81,	50	17	82	,	"	5	
		100000						10000						

Longitude by Chronometer from Afternoon Observations ⊙

Coal remaining on hand at Noon

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude — observed at sunset

Variation of the Compass by Og O at 4 pm

15°35'18"co

62 " 950 "

Commences to 4 acc)

Weaker also of pleasant. Tight bregs from D. E. h. SSE. Barmete ving. Colondo cumulos, Cumulos status, Cumid 29.57. Broth more & Satiste.

(pf) N. Rohrer Suis yet

Weaker clear & pleasant. Secreto bregg from SSE. De a poverob. Bormeter

Pring. Cumid 29.92.

(gs) B. R. Res Levit type

80 Meid,

Change from SSE. De armeter strate, Corg. went to greatly, after which presents to the 29.92 point of the 23.45 Drig et great your all points Dri at facing funds, Cumid 29.92.

(egs) W. W. Armii Master lefted

Meeter M. Cumid 29.92.

(egs) W. W. Armii Master lefted

Meeter M. Comments, with moderate breeg from S&E. Barmenter change or 30,05 he

St. L. J. Rogo were instructed, Cumid 29.17. Cet 122° changes connect to lebber,

(cgs) W. Kellergy Linit light

46. From

Weather Clear & pleasant. Moderate breeg from S&E. Claudo cumulos, Cumulo
status, y crim at both with middling for Drig sent Jones S&E. Care 4" meeters or

partie, and gar are Drive midstriction in Orderance. Cumula 29.87.

(ap) K. Rohrer Sieit aper

Whom weather, Sand breeg for SSE. Smoother. Barmeter stray, Quind 29.95.

(Ap) B. Rees Sieits yet

Ph. Mid

Moris declination = 6"18'58 h

Examined and found to be correct.

Limited & Navigator.

3 Rate, 6 Guns, LOG of the United States Ship Essex Makin space ager to Moution as. BAROMETER. TEMPERATURE. of Clea, in 10ths. Record of the sail the vessel is under at end of watch. Hour. Courses steered. Fathoms Air Dry Wet Bulb. Bulb. Water Height in inches. Ther. att'd. Direction. A. M. usu Ci Cun 3011 81 50 71 83 17 17 4 114 81 80 75 7 Is mani Trypail 8 Se bol li him 4 10 6 4 11 81 Noon. 182 knots 5 fathours. Distance run by Log since preceding Noon 022,3411 Latitude by D. R. at Noon · 52 19" W Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ Current during the time fms. per hour, setting to the knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Sau · 34, "a 200 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours tons 300 62 " 600 Coal remaining on hand at Noon

P. M	-															
-				*	-	-										
1	1	7	8	WSW	Dx 6	4	3,00	81	81	74	82	bed	him	3	ne	
2	1	7	8	"	1	4	03				5h		Cui	4		Look in ne Sail
3		8		"	,	4	03	81	81	71,	n	"	9	5	14	
4		8	6	,	116	4	63	SI	8,	76	82	4	4	5		
5		8		4	"	4					S		1	4	2	
6		f	6	,	"	4					52		Cum +	3		
7		8		',	"	5							Cun +	5	no	Lookin on ale tifly list
8		F		4	"	+	THE RESERVE TO THE RE	4000	1000		Sz	NAME OF TAXABLE PARTY.	"	5		
9		2	4	4	,	5	05	81	511	74	52	4	Cui	9		
10		F	4	,	,	5	05	Si	81	74	5	,	,	8		
11		8	¥	"	,	+	05	-51			Fz		4	A		
Mic	1.	8	4	,	,	5	05	5,	54	71	Fs	- "	"	9		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by O at 4 pm

17 . 24, " co

19 °00' "CO

Commences fruité 4 au le lear & pleas aut. Fresh trado unias from S.E. Smont Sea morn rae at 7th. amenia 29.89
(ogs) Whellogy Lew's age

41,8 acm

Weather perfect. moderate brezo from SSE to SExS. Clouds cumules & cumulo Rte. Ship rolling facily to moduate sweet from & +6°, as 7.° braces in by for brace. Observal a school of flying fish to windward, award 29.93.

St., meed,

Weather generally pleasant, moderate bregg from Sox & . moderate Sea. Bomula ranable, Mullims ar qualess at 9; + execused 1st, 20, vis die ar quat your + mauni Quand at Amall anno, Instructed class in Mangation, By order of Com of officer was G. Cicket (1018) was given 10 days extra duty for tacking + swearing as wheel. . amenid 29.92.

Ogo, BRRees Treis agul

Pleasant weather, peop breeze from Sx &. Baronnela steady, 100 startes fins in two att forward briles, Roanles up & furles mainiail, & peut cover on Commences distituir, at 3,00 leaner bilges, Sighter a bank one from or be bow, stanty to no yeve, areaid 29.84.

(ogs) com duni noaste up

41.1. Pow

Clear plen aut. Stiff hade wind from SE. Moderate sea, ar 4,4 mustined as quarters, but nectes Dris at Ordinance. Called all hands + exercis at rufing topsails, at 6 took wingslo & flying fit, Leuw masking 32 sev. aumie 29.90. buchaules forward bilge pumps. Districting.

hti SPN

Heather clear Afole as aut. Fresh brege from SSE. Barrete rising. Claudo cumulus, & cumulo stratus, Moderate Rew. Bright startight, Distilling, aum à 29.94.

(294) R. Rohner Suus Uper

We asker obser topleas aut. Fresh bregs from Sx E. Moderate Rea. Bornele stady, Dutieting water, anemie 29,95.

(pgs) BRRees. Lewis age

Moon's declination 101538 Last Ir

Examined and found to be correct.

Try, Parke Seculement & Navigator. LOG of the UNITED STATES Ship Essex Making passage to Montevider

, 3d Rate, G Guns,

				WINDS.			BAROME	TER.	TEN	PERAT	URE.			lear hs.		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M. 1	8	V	wsw	dx 6	4		30 04	Si	Fi	21	fa	Lo	Ci	F		Planisais to Itheroans
2	8	6	",	7	5		115	fr	FI	75	52	7	,	9		traps me sail .
3	£	Z	"	,	5		14	81	fu	2	h	"	1	9		
4	8		"	,	4		02	8	A	75	52	1	1	9		
5	7	6	"	,	V		01	81	80	11.	82	,	1	P		
6	8		"	4	4		06	de	fo	11	Sa	1	,	6		v- " set my at of fly shit.
7	8		,	',	4		113	81	80	71.	82	"	"	8		
8	8		,,	,	4		03	81	80	71	A2	- 4	,	9		
9	6	5	',	16	4		13	81	80	71	A	- ,	7	9		
10	6		7	"	4		04	81	f.	11	82	,	,	9		
11	6	,	1,	,	4		114	81	50	70	-82	,	1	9		
Noon.	1	5	,	"	4		16	si.	80	70	A	- ,	"	9		

Distance run by Log since preceding Noon	188 knots of fathoms.
Latitude by D. R. at Noon	6 °28'10"8
Longitude by D. R. at Noon	20 010 21 "08
Latitude by Observations at Noon⊙	6 021 15 18
Longitude by Chronometer from Forenoon Observations ⊙	20 019 311 ".00
Current during the time , F knots - fms. per hour, setting to the	n 54°W
Variation of the Compass by Amplitude ⊙ observed at Sunrise	0 , 11
Variation of the Compass by Azimuth ⊙ observed at Faur	18°3" "ar
Water expended during the preceding 24 hours	308 gallons.
Waterpecewist during the preceding 24 hours	1750 "
Water remaining on hand fit for use at Noon	1127 "
Coal consumed during the preceding 24 hours	1 tons 20,6 lbs.
Coal remaining on hand at Noon	111 " 87,4 "

		Total Control															
	P. M.																
	1	1,	4	usu	16	4	3,	111,	81	80	75	or	be	Qui.	9	ne	
,			2	,	,	3							1	"	9		
	3	1,		"	,	3	The second second				100000		4	1	1	34	-
	4	5	8	1	"	3		114	51	80	75	82	"	1,			
		1,	10000	"	116	U							1	"	/		
	1000000	1,	100	',	,	3		114	81	50	75	82		,			
		1	7	"	,	13		04	5,	8.	70	82	- 1				
	-	1,	77777	'1	"	3		115	f.	29	75	82	,	4	9		
	10000		5	"	126	3		111	80	79	75	82	"	Cum Ste	9	1.	
	7500	4	1000	1	"	1			-				4	"	9		
	10000000	-		The section of the section is a second or the section of the secti	886	-							1	"	/		
	Mid.	6		"	"	3		12	0	79	75	A	',	" (9		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations Lupila * 1 pm
Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by at H fore 30 °35'29"W 20 °57' "W 18 °15' "W

Commences & to 4 am Bright startister. Fresh breeze from Sx E. Cenemia 29.90 Cogo WM Invin Master ugal

Glear fleasant. Tresh trate træge find Sw. Amerik Lea. Monlight, auni 29.90 (20) Wheelegy Treat afel

Sam to Mend.

Weather clear pleasant. Baronula steady. Civis clouds. Hazy about the horizon moderate breeze from SE. Sea moderato, and beading. annie 49.93.

(ofs) R Robert Luis ages

Menstorsmer
blear flearant. Moderate brege from SE, Sommethining,
Districting water. and bedding anemid 2988

(pgs) BRRees Sins ages

Ht. 18 Ph. S. Moderate heaze from SE. Baronutusteady, moderate Sea, aremia 29 90 (290) WW Inni Master uger

1. to SPW blear, diteghtful weacher, Smooth Sea. Districting, aumid 29.92.

St. mid Baronete clear ofleasant. Gento breeze from Sx 6. to SSE. Clouds cumulastrates.
Baronete clearly. Survoit Sea, Dictiting water, ar 10 braces in by for haces,
Bright stutiffed, amenia 29.97. (ogs) K Rober Lieux ager

4° 21 13 W Ollow's declination = last In

Examined and found to be correct.

Leutenaut &

LOG of the United States Ship Gerry of Rate, G Guns, Making hassager In Montevideo. BAROMETER. Record of the sail the vessel is under at end of watch. Courses steered. Hour. Knots. Air Dry Wet Bulb. Bulb. Height in inches. Ther. att'd. Direction. A. M. Cu · Com I all plain sail exaps wsw 7974 2 In Dail, 6 2 114 Fo 79 74 82 7974 82 4 79 74 8 1,8 50 79 74 81 111 80 79 75 81 1282 81 15 A Set m 2 feet stimps 9 12 83 8 13 82 10 12 de 81 30 to 11 12 82 81 7/ /2 132 knots 6 tanh Distance run by Log since preceding Noon 0511 '59 " Latitude by D. R. at Noon Longitude by D. R. at Noon 00 2 '04" 00 Latitude by Observations at Noon⊙ 014'45011 Longitude by Chronometer from Forenoon Observations⊙ 2 66°W Current during the time , J8 knots - fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 17.311 "00 Variation of the Compass by Azimuth ⊙ observed at Fau 310 Water expended during the preceding 24 hours Water Received during the preceding 24 hours 15111 Water remaining on hand fit for use at Noon 2317 Coal consumed during the preceding 24 hours / tons/832 lbs. Coal remaining on hand at Noon 88 "1283 P. M. Le SEXS 1 Cui au 3, 118 82 81 1182 2-3 10 82 A 76 B 3 U 115 82 81 71 2-3 4 3 11-82-80 74 /2 3 15 81 80 74 82 7 en 81 80 74 82 10 81 80 7582 Les Me Sail, 10 11 Mid. Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

observed at sunset

at 4 pm

Variation of the Compass by Amplitude

Variation of the Compass by

(gr) BRRees Levis of 4 to 8 am Pleasant weather, Light brigg from St. Smooth Sea. Bosmeter rising avenis 19.90. Distribing.

Clear that moderate breeze for So, Smooth Lea. as 9 per tofgallact sails + as 10 topmand the fellowing extra duty was given, com Simpson (10B), 10 days, for fully dast in distilling but.

R.W. Further (CB) + bl. Clumin (012°C), 2 days each for missing multi. He Laket Paus, 5 day for right of duty. In migrous (Pea, Per survey (CB), I day's lack for fighting. He. I. Jurin autom; I day, for neglecting to air bedding. award 19.95. Distitling.

Mend to 4 Pm We asker aleast pleasant. Bormeter fueling, Light to gent breen from & 6 x S. Cinis -cumulus clinds. Distilling water. Ott Schanges course to Sux 10 it w. Grade of Cong. Officie, amenid 29.90 (Jo) X Robert Lias ager

Menthe clear oplier ant. Level bruge June Sxel. Senort Lea. Berowelle steady. Districting value. Set Spanker ar 5.40. Quenid 29.90

(450) BRRees Levis Cefer

bleart phasaut, Light breeze pund SExS. Smooth Dea, Baronulte steady. Stoffed Distituy thoulis fin as 8. Awind 29.97 (ags) Workshim master you

St. Nied, blev, delightful acacher, Smorth sea. Light breeze from Ste. Set manisail, avenid 29.98.

Oft, While of Leins Cofer

allow dealmation = 9° 27' 35 7 20 Lant Dr

Examined and found to be correct.

Lieutenant +

Makeri faceago to Montevides

				winds.			BAROME	TER.	TEM	PERAT	URE.			Hear other		
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb,	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.												0				
1	3	5	Suxuhu	SEX 8	12		30 11	f	79	14	52	be	Cun Ste	8	2	al plani pail.
2	3	1	,	,	12		111	89	79	74	2	1	1	9		Fran Joff Is about all.
3	3		,	1	,		111	80	79	74	82	,	"	9		man Joffett abusails.
4	3		"	,	1-		111	fo	79	74	52	1	,	9		
5	2	8	1	,	2		19	So	79	74	F	1	4	9		
6	3		,	',	2		1.5	do	79	14	52	,	1	9		
7	3		,	,	2		118	fo	79	74	5	- 1.	1	9		
8	O	2	,	,	2		119	80	79	74	A	,	1	9		
9	3	2	,	7	2		13					ŕ	,	9		
10	3		,	1	2		15	- 50	F1	1	81	,	"	9		
11	3	4	,	,	2		11	Si.	Sa	15	di	1	,	9		
Noon.	3	8	,	111	=		15	di	F,	7!	81	"	"	9		
										*						

9 hknots 9 fathoms. Distance run by Log since preceding Noon 8 . ctt. 14. 1 Latitude by D. R. at Noon 23 . 29 '011" 00 Longitude by D. R. at Noon 8 . 46 34 8 Latitude by Observations at Noon⊙ 23 °25 'In" cl Longitude by Chronometer from Forenoon Observations⊙ 8 42°6 Current during the time . / 6 knots I fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 16 34 "W Variation of the Compass by Azimuth ⊙ observed at Saw Jo 8 gallons. Water expended during the preceding 24 hours Water lecuved during the preceding 24 hours Water remaining on hand fit for use at Noon 2559 " tons/3/2 lbs. Coal consumed during the preceding 24 hours J7 " 2210 "

_						-	-			-						
P. M.												1				
1	3		Suxulaus	SEX 6	2		30 15	81	81	7/	fi	Com	Ci sti	9	2	
2	2	8	1	"	2		12	81	81	150		1	1	7		
3	3	3	,	,	2		1000		81		-	1	1	5		
4	3	9	,	,	2-4			100	1	1	81	,	"	6		
5	3	5	,	1	2				10000		-SI	C	Cun sto	P		Plani sail , put alens at
6	4	5	,	16	2		118	Si	80	71	82		1	8		acopolome, de spanker
7	4		,	"	٤		119	SI	1000		Fa	/	Ci' Cum	9		
8	3	8	",	",	2		12	8	So	71	82		"	6		
. 9	3	6	"	,	2		,1,	Si	80	71	J2	4	1	6		
10	3	8	1	,	L		11.	81	80	75	52	,	,	7		
11	4		,	,	2		17	8,			8		1	F		
Mid.	4		,	,,	2		17	81	80	75	52		"	2		
The same of the last			A STATE OF THE PARTY OF THE PAR		-	1			1							

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Coal remaining on hand at Noon

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by at Hpm

monday april 17 t

, 18 8%

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Ho 4 acu

Weather clear opleasant. Barmeter cleady, Light bruge from SEx S. Sea amont. Phip steady. Bright startight. america 29. 95.

(egs) R Robert Lieux your

41. 8 am

lele ar xwor w. Light breeze from SEx.S. Smort Sea. Bornette falling. awind 29.98.

blear twom. Light brege pour SExS. Barrette rising, at 8'- trick in main Insail + Phanker. Spread main Deak Quarter Deak Hoop artings, Went to quarter or 9:50 nispeales the cow. at 9.5 sounded the Call "Surprises by the energy" all hands rallied or the Main must. Piped down at 9°-. Broke out fore hold & cleanes bilges, By orde of Comy officin Benj Campbell (Pin) was given o days extra duty for fighting. Canfr gang fort in a graning piece in span Deals ander Ina #1 for side, award 29.99. ges comboni master ago

med to 24 Bre

Chartwarm, with light breeze from & HE & Restowed fore hold, at 3 pm calles all hours to menter, I read station bier for cleaning ship for action. Quemid 29,92.

4 to 1, BW Weather clear & pleasant. Light to genete breeze from SE to SEx S. Smooth ha. Barrouter pleasty. Clause cumulos stratus, clivis stratus, ar 4 called all hands clear ship for action the Conney officer inspected, ar 6 sex spanker, x braces air by fort braces. Quenia 29.97.

(898) R. Rohner Leins agen

Hearthu generally pleasant. Party cloudy thay to winderand, Barmeter falling, Count (ger BRRees Lewis you

He as out breather; light buye from \$46. Smooth Sed. Borout steady, aunie 30.02.

1306 442

Examined and found to be correct.

Lientent of Navigator.

Distance run by Log since preceding Noon

Coal remaining on hand at Noon

Mid.

Rate, G Guns,

				1000
11.11	/	+	111	,
Masterio	masea or	111	Monteria	ex

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	777 - 11	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.				0												
1	4		Swxwheel	16	2		3011	di	29	75	Fi,	Le	Ci Cum	9	2	al planipail, for y
9	3	5	1	"	1-2		15	fa	19	15	f,	1	1	9		men toput, of fore topment
3	3		"	,	1- 2		14	81	79	20	Sn	4	,	9		chur ails
4	3	8	,	1	1-2		, 4	811	19	75	811	7	"	9		
5	3	5	"	,	2		11	FA	29	10	81	1	Com sto +	9		
6	4		1	1	2		12	da	79	70	SI	,	,	9		
7	3	5	"	8626	2		13	Fi	An	75	-51	,	1	9		
8	4	5	- "	"	2		15	di	80	70	F,	7	,	9		Lokin spanker
9	4	2	1	Exs	3		11	SA	De	71.	F1	,	Ci Cum	9		
10	4		1	,	3		11	of	80	11	81	1	,	8		
11	3	8	"	,	3		17		di	11	81	,	1	9		
Noon.	3	6	1	,	2		11	Fi	8)	11	f	"	"	9		
<u></u>												-		1	1	

89 knots 3 fathoms, 9 .49 4111 Latitude by D. R. at Noon 24 °30 '35"4 Longitude by D. R. at Noon Latitude by Observations at Noon⊙ 10°01'07" 24 .33 27"W Longitude by Chronometer from Forenoon Observations⊙ Current during the time . T knots ——fms. per hour, setting to the 114°W Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth O observed at Jaw

3/3 gallons. Water expended during the preceding 24 hours Water

during the preceding 24 hours 2246 " Water remaining on hand fit for use at Noon

tons 300 lbs. Coal consumed during the preceding 24 hours

P.M. 1 3 Swewha Exs Cai Cum 3,1581 827 be 15 81 82 77 81 88 3 81 82 77 3 6 2-3 81 82 17 6 8 5 3 81 8277 3 886 12 81 82 77 81 3-4 86x 6 82 77 81 10 11

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by G at 4 pm

57 "1910"

Commencer & tortace

Clear t plea aut. Light bregge from SE. Sonrort Sea. avenid 29.90.

4th & aced Meather clear of has aut. Light to gent bruge from SE to SEXE, Sed amonto. Clouds cumulus - cumulo stratus, + Cini stratus, Quenid 31.000 (891) K Roher Leis ago

Gelear twarm. Sente bregg from Exs. Smoot Sea. Jook in chanker at 8.0 x spre so aways. Muslem at quarter at 9.50, and exercise 1st Div at great years, 22 at Dingle steeks, 3 das Amael anno, Macin Grand as fayones custication, Masters & Porder as breaking out + rigging Impedoes, In rigging out forward starboard topedo brown, the spar caunic away from the weight John tothedo, two token in withour further loss. The toom was surveyed hy order of Comy office, by a Board compared of Sto, Parker, Relogg & Rober. and was andenned to to uses as feal. arenid 30.01.

(ogs) belles Leins agur

meed to 4 pm

Clearthot, Light breeze from Exs. Simont Rea. Macine Evant frid ar layer, with small and, deitainer 100 ga, five, ormer early, and average of 10 p out of a possible 25. Served out Sorting, and 29.94

(20) WM Sovie Master Uge

blear delightful wearhar. Light heeze from Ex S. Lowert Sear at 4th mustered an quarter, at 4th carles all hands, & exercised until 5th at rufing topsails, furling and masking pail. Quemid 29.99.

(pgs) Whellogg Liet Ogel

[16 8Pm]

leto 8Pm

Weather aleas Alean Alexans. Barometer ming, Clouds aumulus & anis cumulus. Sea amont. Sent breze from SEX 6. Queraid 30.00 (2gs) R Rober Lewis again

blear Aplerant. Genete breeze from Exs. Smort Sea. Bornete ring. Food in Spanker or 8to, anemid 30.02 (ogs) belles Suit agen

Clloris dealciation = 17 32 52 21

Examined and found to be correct.

mr. rank Limberack & Navigator. LOG of the United States Ship Essex
Making passage to Monteviles

, 3 Rate, Guns,

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	G C.D.	Forms of	of Clear in 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M. 1	4		Suxcuper	Exs	2		30 15	Fo	80	>	51	fo	Cu	F	0.	Mani sail except Sparker
2	3	8	"	6°× 20	2		12	Fo	Fo	75	81	',	"	8		
3	3	5	1,	"	2		119	fi	19	75	81	,	"	7		Pat leftet + topman
4	4		,	"	2		118	80	79	75	-8,	,	Cum	6		sturals.
5	4		,	EN6	2		118	fi	19	> -	81	,	"	9		
6	4		,	7	2		111	Fo	79	75	8n	,	"	7		
7	4	6	,	7	2-0		11	Fo	Fo	11	5	1	Sli Cun	5		
8	5		,	"	2-3		14	- fo	fo	11	80	,	Ci Cun	v		
9	4		,	Exu	U		17	F.	81	2/	fi	,	,	9		
10	3	5	,	"	3		18	S.	di	11,	d,	,	"	9		Der love ction its.
11	4	5	,	,	5		15	· do	51	77	81	,	"	F		
Noon.	4	5	7	ENEN	3		12	. di	8,	17	8,		,	1		

91 knots __fathoms_ Distance run by Log since preceding Noon 11 014'45" Latitude by D. R. at Noon 25 · 41 · 51" W Longitude by D. R. at Noon 11 013.15.5 Latitude by Observations at Noon⊙ 25 .43 30 00 Longitude by Chronometer from Forenoon Observations⊙ 817°W Current during the time , 37 knots - fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 150 - " W Variation of the Compass by Azimuth O observed at Jum 3,6 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 1930 " Water remaining on hand fit for use at Noon tons Zan, lbs. Coal consumed during the preceding 24 hours 57 "1610 " Coal remaining on hand at Noon

														Page 19	
P. M.															
1	4	2	Suxuha	NEX E	3	3, 119	81	fi	77	FI	Le.	Cu'Cum	9	L.	John of lit & Spores stappal
2	4		1	1	3	116	f,	81	77	81	"	1	9		let sto me iplet plan il.
3	3	8	. ,	"/	3	114	81	81	77	81	"	"	9	-	
4	3	6	"	,	2	17	89	SI	77	81	1	1	8		Joshin Mais ail
5	3		,	,	2	"7	Si	51	77	81	7	1	6		Le ets chim pale.
6	3		"	,	2	"7	81	50	71,	81	"	1	6		
7	3		1	"	1	11.5	81	80	74	fo	"	4	5		
8	2		1	-"	1		80	100000			1	"	8		
9	2		"	26	1		fo					Cur Friair	8		
10	2	5	1	"	1		50					Cui Cum	9		
11	2		1	,	1		60				,	"	7		
Mid.	2		"	"	1	15	-80	00	7%	00	"	"	V		

Longitude by Chronometer from Afternoon Observations ©

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

, 18 8%

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Connuences Hort to Commences Hort to Sight brege from 6x8. Long sweel, + ship oveling easily animal 29.96.

41. 8am

Charepleasant. Light breez from 6 26. ar commencement favalet, gradually preshend to modulate breeze, Sourced Sea. Quenci 29.9%.

(85) Cottellogg Treis your

87-20. 1

Weather alear & pleas out. Sente broge from Ex & to 6 & 6. Claudo comio cumulas, stratus & cum alas, Ser loner steriado + laid de gand square of 10; . - ar 9 muster as quaetes. Ixercining 1 to 3° + Ponder Deiro or suiglo sticks + 2° Dir ar quar genos. The marters Dir fris ar tanger und Holathin Riflo.

men to a Pen blear swarm, Gent heeze from 21. Ex & , Long swell from nº45°, Boromelie facting. Foot in flying fit of four topoment stageal, and haules of weather class of mainsail at 1. . It sts main toppolant stemmand an 1. Three sail in eight, anen'd 29.92, Jork in les clas of main pair at 3.50, du g mani pair at 3,50,

41.1. Bu

bleartpless aut. Light briege from HEXE, at 4 45 week to quarters. Or I exercise with strusouls, Queroid 29.96. (90) Wondown Master Ugw

6t. SPM Clear opleasant. Lijks bruge fran 26x 6. Long evere fran 2° 40°. Ceneral 29.97

It. Med.

Weather clear Apleanant, Barreneter steady fea amoret, Clouds cumulus, cerius, minitus, of cuiri cumulus, Light air from 4.6. Pavenid 29.99.

Examined and found to be correct.

Siculianant - Navigator.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	717 - 11	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			. ,									1	0 -			
1	2	5	Suxwew	16x6	2		3,12	fo	80	75	51	to	Cu Cun	7	7	all plan sail by cups movie
2	2	4	"	"	2		"	Fo	fo	75	fi	1	"	8		Spanker, + fy lie.
3	1	6	7	7	1		09	fo	fo	75	fo	"	Cum	6		alphosile.
4	,	4	y	,	1		118	80	50	75	-80	"	"	5		
5	1		7	"	1		118	fo	80	75	80	7	"	5		
6		5	"	"	1		19	fo	80	71,	80	7	Kuis	4		
7	2	4	"	86x8	2		11	fo	58	74	-81	"	,	3		Joh . in all climine
8	2	4	,	,	1-2		13	fo	79	75	81	"	Cui	6		
9	2	3	"	ESE	1-2		14	Fo	79	7%	FI	,	"	2		
10	2		7	"	,		14	Fo	Po	71.	do	,	,	9.		
11	1	5	9	,	,		15	- So	Fo	71,	fo	1	,	9		
Noon.	1	8	,	"	,		15	-81	8,	76	fo	"	"	9		

54 knots O fathoms, Distance run by Log since preceding Noon 11 051 '27" 8 Latitude by D. R. at Noon 26 °22 '30" W Longitude by D. R. at Noon 11 054 37 "8 Latitude by Observations at Noon⊙ 26 · 31 · 34 "W Longitude by Chronometer from Forenoon Observations⊙ 869°W Current during the time // knots ____ fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Jaw 3// gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 1619 " Water remaining on hand fit for use at Noon tons 200 lbs. Coal consumed during the preceding 24 hours 57 "1310 " Coal remaining on hand at Noon

P.M.	
1 , 0	
2 2 5	
3 / 5	
4	
5	
6	
7	
8	
	-
10	
11	
Mid.	-

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

Thursday april 20 to

, 188%.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes Hotain

Party clear spleasant. Light am from 216x 6. Amount Dea. Bormeterfaeling, avenue 29.9 45

South in all stimpails as 6. I set main out flying fit & sparker. a pail was reforted our point on wearher bow. at 7. 5. Coverned 29.99 · (ogs) commin master age

Sto Meid,

blear severow. Blondy fint half of a det. Light variable air, shifting from SSE to 6.86. Luy moderate ence from & 400. as ger portoffactact topmark there are, as 9" mustered and uniperter at quarter. Ocercie 1 di Di at Penale anos, D'et Janger frantice, 3 d as grat gens, y Poude at Deigle sticks. Large 4 master English ship persed, bound to 2452, Quenid . 29.98.

(Ogs) Wheelogy Linis eyn

Mend to 4 Pm

We when alear oflement, Light brogs from & & & . Barruete steady, Clindo cris-cumches + states, Ship riding laving to long severe from \$6. Cigages a carapay + blacking boar dants, a pail reporter from aloft on sto true, and another on for beaut rente initle from dead, anemis 19.95. as 120 change course to SWX WhOW, by ade of Comy office.

(ggo) K Robier Laws Of

bleatfleasant. Lift bruge from ESE. Smooth Sear, Muster at quarters ar 4.45 and gard crew verbal instanction, Caller all hands shorten sail at 5.00, and exercise at fuling chostening + masking sail. accemia 29.9%.

(290) BRRees Licas appr

lita Ston blear teleasaut, Light and from 6 SE Sensoit Dear Bright startist. Genera 29.99.

bludy, light bruge from SE. Amont Sea. . ar 10 had a moderate equal of unit & Dair, Sokin topquelant pails & orgalo, ar 10 to them again. and 31,112.

Moon's decleration = 21 09 18 21

Examined and found to be correct.

Trita Parta_ Leulewaert Navigator.

				WINDS.			BAROME	TER.	TEM	PERAT	URE.			of Clear in 10ths.	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of (Sky, in 10	State of the Sea. Record of the sail the vessel is under at end of watch.
A. M.			Su x aspal	18							C	1	Cem	6	C .
1	3	5	su x ayra	26	2-13		30 12	79	78	74	31	60	meni Cem	8	I Mani sail to orgale.
9	3	0	"	7	2		10	79	18	14	81	fer	"	7	
3	3		"	,	2		10				f,	0	"	7	
4	2	5	"	"	2		111	79	28	74	8,	7	Cum	9	
5	2	4	"	',	2		69	D	29	74	Si	"	"	9	
6	3		"	,	2		07	Fo	79	74	81	,	,	8	
7	3	4	"	,	2		118	Fo	79	74	8,	1	Cur Sto	8	
8	3	4	,	,	2		10	50	79	74	51	',	,	8	
9	3	2	,	7	2		18	S.	19	74	81	,	7	8	
10	2	8	"	1	٤		11.	So	So	75	81	1,	"	9	
11	3	2	1	816	2		15	- do	Fo	74	89	',	,	8	for fact thement of toptates
Noon.	4		"	,	2			10000	Fo			1	"	8	stime ails.

Distance run by Log since preceding Noon 12 041 19 8 Latitude by D. R. at Noon 29 . 19 '14"00 Longitude by D. R. at Noon 12 . 40 13.5 Latitude by Observations at Noon⊙ 27 . 21 .30 "00 Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 14 .311 "00 Variation of the Compass by Azimuth ⊙ observed at Faces 317 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 1302 " Water remaining on hand fit for use at Noon tons 300 lbs. Coal consumed during the preceding 24 hours

57 "1010 "

=		Tieres.						-				-			_		
	P. M.																Les peux leur atimal.
	1	3	5	Suxw/xw	SE	1-2	30	12	Fo	80	35	80	de	Cun ste	8	_	
	2	2	8	"	"	1		"	81	80	74	80	"	1	8		
	3	2	2	"	"	1	6	111	80	80	71	to	1	"	9		
	4	2	5		"	1-2		18	80	So	7%	80	4	7	9		
1	5	1	5	1	,	1-2		117	80	do	76	80	4	,	9		
1	6	2	5	"	,	1-2		18	80	50	71	80	1		8		
1	7	2	4	1	1	1-2		09	So	50	71	00	4	,	8		
	8	2	8	1	"	2		11	80	8-	7%	8.	1	4	8		
	9	3	2	1	,	2		12	f.	79	74	50	,	1	9		
	.10	3	6	,	. ,	2		12	80	79	74	50	4	-	10		
4	11	4	4	,	,	2		11	Fo	79	74	50	be	Cui	9		
1	Mid.	4	2	4	,,	2		11	80	79	74	80	",	"	8		

Coal remaining on hand at Noon

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

Commences to 4 and Weather clear severand, Steady bounder, Clouds cumules & cono-cumules. Life buge from SES, Sew smooth. Ship steady. amenid 29.99.

41.. faces

blear spleas out. Genelo briege from SE. Sommet lew, Barmeter nearly strately a Review sork, passed about of miles to coniderand or 7. -, standing to M' HE's of the cycles (go) be Rees. Levis cycles

87, meid

Pleasant weather. Light breeze pour So. overing to ESE. Amorth sea. as 8 to took in spanker or spend awing, at 9" exercised at fine quarters, are Dir seady in 135, secured at 9,00 time 2,50 Went to Fine quarter again as 9, -, all ready in 125, secured at 9,0 time 1,15, Called away all and bross at 9, all ready in 5 30, as 11 " see fort fortoferant, for & man toffellout phusais, By order of Comog officer the following purishouts were assigned, wor Simpson 1 cos, & days extra duly for senting clockes ar inforper hours, after being told by office of Tel not to do so. Hours Hours (odea, 2 days extra duty for missing muster, S. B. Smallfield (1 03) & days extra duty ford mising muster. Sent dans + serapes. main Ingoning off. avenid 30.00

(ogs) com mi mash bye ment to 4 km blear theanant, with light bruge from \$6. . Ot 12 2 pet fout brun steeral. Sout of main trysaid goff. Quenid 29.9 ct. (sgs) co Keelogg Lind ago

41.1. PW

Weather clear of pleasant. Light breez from SE. Baroncelle slavely facting, Clauds cumulus retratus. at 4 th muslimed vinefects of quarters. I ches excession at shortening to making sail. a pail reporter from alogs, as on sto beaut, which could not be pund on dead. - avenid 29.98.

(gg) K Rober Livet ager

1.t. SPW

blear opleanant. Light heeze from St. Smoot Lea. Baronette vining, Quenic 29,99. 8th mie.

Light breeze from SE. Plea aut weather, Bright startight. Morn set at 11. Bormuch (pgd) ammin Macto ago.

Monis declination = 21° 111'33" N New Zum

Examined and found to be correct

Makin	hassage the	Montender
	/	

				WINDS.			B Winks in The A		TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hour.	Knots	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Monthey	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M	3	6	Sevx 10:1/4 10	E	2		30 11	क्र	79	75	80	R	_	10	2	Plani sail to myals. Iscape
2	3	6	,	,	2		12	80	79	7-	fo	de	ai	9		Plani vail to my alo. except
3	3		"	7	1-2		12	79	78	70	do	"	"	9		
4	3		1	,	1-2		10	79	18	75	- fo	"	",	9		
5	2	5	1	"	1		10	79	78	74	fo	9	Cun ste	8		
6	2	5	,	1	1		11	79	28	74	fi	1	Com Rh			
7	2	5	,	,	1		13	79	18	7%	fo	7	"	5		
8	2	5	,	,,	1		15	79	78	7%	fo	7	Cum sto	9	-	
9	3		"	1	1		18	79	do	71	8.	7	"	9		
10	2	8	1	,	,		٤٠	79	So	71	80	1	1	9		
11	3	1000	,	,	2		18	19	1000	71	80	',	,	9		
Noon.	3	2	,	,	2		16	79	Fo	71	So!	"	"	9		
														tue	1	

90 knots & fathoms Distance run by Log since preceding Noon 13 .30.19.8 Latitude by D. R. at Noon 28 º12'00"W Longitude by D. R. at Noon 13 .36 25 5 Latitude by Observations at Noon⊙ 28 ° 16 30 "Ces Longitude by Chronometer from Forenoon Observations⊙ 832°W Current during the time , 33 knots — fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 13 · 00' -" wo Variation of the Compass by Azimuth ⊙ observed at Fau 310 gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water 992 " Water remaining on hand fit for use at Noon tons Leo lbs. Coal consumed during the preceding 24 hours

-		-		The second second second		 									
P. M.															
1	3	6	Suxu/400	86	2	30,6	89	81	77	80	Le	Ci Cum	9	8	
2	3	2	,	"	2	16					4	"	8		Same
3	3	5	,	,	2	15	8,	82	77	80	1	',	8		
4	3	2	- ,	,	2	15	81	fr.	-77	80	1	1	8		
5	3	6	,	,	2	12	81	81	77	80	"	"	F		
. 6	3	٤	,	"	1	, 1	81	81	77	80	"	1	4		
7	4		,	6x26	1	10	81	Si	95	80	11	Cum	5		
8	4		"	"	2	13	81	So	71	80	1	"	5		
9	4	2	,	"	2	15	8,	80	24	80	"	1	6		
10	4	2	,	',	2	13	61	80	75	80	,	1	6	9	Fork in m sais, Les pour
11		2	,	,	2	11	81	To	15	80	,	,	6		In topy It climand.
Mid.	4	2	"	"	2	09	51	do	75	80	"	"	0		
The second second second	ALC: UNKNOWN BOOK BOOK BOOK BOOK BOOK BOOK BOOK BOO		The second secon										The second second		

Longitude by Chronometer from Afternoon Observations ⊙

Coal remaining on hand at Noon

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by On O at 4 pm

57 "710 "

28 · 20 · 48 · W

Communes How 4 air blea spleas aux. Light bruge from &: Sunt Sea. Bright starlight. Quenia 19.98. Weather clear spleasant. Light brege from & . Barnute vising blands curvalus, Stratus, and, cumules & status. Lea amout, Quenid 30.01. Sto Meid.

Acather charmon, Light breeze from & Smooth sea, brew at work changing deads, and bedding. By order of Com of Office Priato blo Bally is given I day, politary Confinement on bread twals, for pluping on par. awaid \$10,5 a.

(ogs) blees. Leins afer. ment to 4 PM Sight bruge from ESE. Sea emort, Baroneta eterdy. Sarafes spanker gaff, America 29.96

(efs) Ween Immin. Master your 41. 1. Pm bleasant. Light breg from 6 Ste. Smooth Sea, as 4th mustus ar quature.

Commit 29.96

(290) Wheel gy Suat you Heaten dear of pleasant. Baronete pierig, Cum celus clauds, Light bruge fruit Ext. Sea pomorto, blende sining to uniduard fassing to leward. Council 29.97.

(egg) K. Roher Suat afel St. Mid
blear Apleasant, Lifts bruge from Ext. Amont ha. Haules of Main sail arro' tech
pth Main Topgoelant stursail. Ser vert of oth elunails or 11.50. Coursid 29.99.

(20), BRRees Livit tople.

new morn

Examined and found to be correct.

Moon's declination. = 20 00'29"20

MIT Park

LOG of the United States Ship Cesses
Making passage to Montevider

			0	WINDS.			BAROME	TER.	TEM	IPERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather,	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.			, , ,									,				
1	4	2	Suxwit W	26	2		30 15	80	80	15	80	te	Rti	9	0	Plan sail ex maisant
9	4	2	- 1	,	2		14	fu	29	75	8.	. "	Cui	9	0.00	
3	3	5	,	.,,	2		13	Fo	79	15	80	1	4	8		sepanker.
4	3		7	,	2		13	80	79	70	to	, ,	7	8		
5	3	2	,	,	2					76		',	,	9		
6	3	6	1	"	2-5		12	Fo	Fo	16	fo	7	3	8		
7	3	2	,	1.	2		12	0	Fo	76	fo	1,	,	9		
8	3	6	,	,	2-3		13	do	Fo	76	Fo	",	,	9		
9	3		,	"	2		15	-8-	fo	16	do	',	Cu' plu	9		
10	2	5	,	1	2					16	-	,	,	9		
11	1	5	. ,	1	~2			_		16		,	1	9		
Noon.	2		,	,	2		15	Fo	81	76	5,	1	"	9		
												C		ten	1	

12 knots fathoms. Distance run by Log since preceding Noon 14 .34 43 .5 Latitude by D. R. at Noon 29 . 18 .39 "00 Longitude by D. R. at Noon 14 . 3.8 . 26 .. 8 Latitude by Observations at Noon⊙ 29 · 18 · 30 " Cu Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 🎉 12000 "00 Variation of the Compass by Azimuth ⊙ observed at 3, 6. gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 696 " Water remaining on hand fit for use at Noon tons 300 lbs. Coal consumed during the preceding 24 hours 5-9" 410 " Coal remaining on hand at Noon

-														-		
	P. M.															
	1	2	2	Sux w/rw	c16	2	Bu 14	Fo	81	76	50	be	Cu Cum	82	1.	
	2	2		,	"	1	12	fo	81	76	80	4	"	7	-	
	3	2		",	"	1	11	80	82	76	60	1	7	7	-	1
	4	2	-	"	"	1	09	80	82	76	80	4	4	8		
	5	1	8	,	"	1	12	80	83	76	So	,	4	F		
	6	1	2	- 1	"	1	13	80	82	76	51	"	. ,	9		
	7	1		4	"	1	15	-80	83	17	81	1,	7	8		
	8	1		4	6	1	14	82	82	77	81	"	,	8		
	9	1	6	4	ESE	1	17	82	So	76	81	,	Cuw	6		
	10	2		+	16	1	18	81	Fo	76	Si	,	"	5		
	11	,	5	1	"	1		_		76		,	Cu'Cum	5		
	Mid.	1		"	,	,	17	81	80	16	8,	"	,	8		
				THE RESERVE THE PERSON NAMED IN COLUMN 2 I												

Longitude by Chronometer from Afternoon Observations \odot Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at sunset Variation of the Compass by O

, 18

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY,

Olemant weather, Light breeze from HE. Swort Sea. Bornate steaty. anemis 29.98. blear spleasant Light bruge from ME. Sound Rea. Querrie 29.97.

(egs) cottellegg Lein's your Weather clear spheroaut. Light brey pour M.G. Bosomete sheat, Clouds cinis atrates.

Le someth, Or 9 beat to quarter vihi Comy office in hispertie ship x crew.

Count 30,000

Musto 4 PM

Measurem. Light brege from Mix 6, Someth lea. Bus mutu facility. Accord 30,000

4th MM

Pleasant weather Sifts brey from Mis, Sea sources. Barmete steady. Commit 29,97

(29) 1 WM Innie Maketer Ugar It. 8Pm

That warm, Light air gradually Lawling from 26 to E. Smooth lea. Look in all startound sturials, award 29.9%.

(segs) correctory Least again Heartpleasant weather, Light breeze from &S & to SE. Barneli steaty. Or 900 loss in lover plumsails, & braces of a couple of point by the ett braces. audin 311,113.

(bgs) K Rohrer Level agent

Monis declination = 17" 55" 5" Mes mon New moon

Examined and found to be correct.

Lieuteraut Navigator.

, go Rate, G Guns, LOG of the UNITED STATES Ship Essey Making passage to Montevideo TEMPERATURE. State of the Weather, by symbols. Hour. Knots. Courses steered. Air Dry Bulb. Height in inches. Ther. Direction. A.M. Ci Cum 6 S Planisail ex . exauter Sux ce/400 30 16 80 19 7481 15 80 79 74 FI 14 80 79 74 81 4 79 74 81 79 74 81 11 50 79 75 81 4 80 80 71-51 8 9 76 81 10 9 do 76 81 11 18 80 80 76 51 Noon. 40 knots o fathoms, Distance run by Log since preceding Noon 15 . 08.08 ..5 Latitude by D. R. at Noon 29 049 30 100 Longitude by D. R. at Noon 150070000 Latitude by Observations at Noon⊙ 29 . 46'15"00 Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the 11 . 30, "00 Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Lost gallons. Water expended during the preceding 24 hours during the preceding 24 hours 392 " Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours tons / 772 lbs. 56 "878 Coal remaining on hand at Noon P. M. 1 Swxw/xw 311 12 81 81 75-81 Course & 81 81 75-81 3 75-02 Cii 4 75 82 Cun sto 5 8181 75 82 Forking port alisands 0-1 4 81 81 75 82 hein 3 Cu'huin 74 82 79 8, 14 83 79 3 6 10 2 be 11 3 Mid.

Longitude by Chronometer from Afternoon Observations ⊙

observed at sunset

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by

fourmeures Hostalle, Weather generally clear flee aut. Hazy & cloudy about the horizon, Light are from Ster. Sommet he. Barmeter facting, avenid 311.1111 (ogs) BR Regs Lee's agent

4 t. fam The spleasant. Light air from SE, veeing to E', Smooth he a., at I've furles mainsail. + starts fine in briles 1+3 for destribing purposes. at 125 took in fore topmand aluminals + sur the form on dear for repairs. Revend 30,00.

(go) Winhon Leis ogn

Martanno, Light air from 626. Amont Rea. ar 9, 2" beat to general quarter, + exercised justil 10. Let fort fore topmand & lower stemail. By order of the Coming Ofice F. B. Barnes (Panila 2°Cl), was desirated for suglect of duty, In Mc Gowan (Sed) was ordered of days politary confinences on bread sevalor for insubordination to Capt of Jop to Commune duty for missing muelo, Powde Dis + Offices excercis at larger practice. avenid 29.91, Sgo, Wheelogg Leins you

Mend til BW flor surow. with light airs from St. Ste. Strang tarmete, Smooth ha. Distilling water dung watch. Or 50 wied haules forward, braces of strok in fort broker Elimoails, Ameria 29.97. (pg K Rohur Lear ager

4 to 1 Pm

Clear spleas aux, Light variable airs tealers, Meestern ar quarter as 4 to, Caller all hands at 45° t exercised at fuling & making pail. By order of Comy officin 146. Paiker (10B) was give 10 days extra duty for principal out blooks. Nathriting. annal 29.97.

Overcast & cloudy, with light dripping rains. Ser spanker & main trypail as 1.30. Querid 30,113.

(egs) Workshin master Ugal

St. Mid.

Mon Ser ar 11. ... Quenid 29.9%.

Monis derlucation = 1501, 25 2 new moon

Examined and found to be correct.

LOG of the UNITED STATES Thip Essex , 9 Rate, 6 Guns, Making passage from Cape Talmas to Montevideo TEMPERATURE. Courses steered. Hour. Knots. Air Dry Wet at Bulb. Bulb. surface. Height in inches. Ther. att'd. Direction A. M. Cur ? L Planisail to my als Swxw/vw 3, 12 60 79 23 81 Ci Sto 19 23 81 80 25 80 79 4 79 74 80 18 19 79 6 18 79 79 10 6 74 8, 17 79 79 6 11 18 79 80 74 8, Noon. 4 & knots 6 fathoms. Distance run by Log since preceding Noon 15 0 41,29 ,5 Latitude by D. R. at Noon 30 0 25 , "10 Longitude by D. R. at Noon 15.38.01.18 Latitude by Observations at Noon⊙ 30.54.15.00 Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 110 " 00 Variation of the Compass by Azimuth ⊙ observed at Facu 307 gallons. Water expended during the preceding 24 hours 1180 " during the preceding 24 hours Water received Water remaining on hand fit for use at Noon 1265 " / tons /557 lbs. Coal consumed during the preceding 24 hours 54 "1562 " Coal remaining on hand at Noon P. M. 15 Swx10/4W Lo Cur min 30 18 811 16 011 75 81 3 14 811 15 81 4 da 80 8 78 18 09 23 80 2 Sux w/2 w 10 11 6 x00x00/40 Mid. Longitude by Chronometer from Afternoon Observations ⊙ Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by

Examined and found to be correct.

Moonodecluration = 1139 53 %

First Quarter

Secielenaux + Navigator.

LOG of the UNITED STATES Ship Essex Frate, 6 Guns, Making passage to Montendes BAROMETER. WINDS. TEMPERATURE. State of the Weather, by symbols. Record of the sail the vessel is under at end of watch. Hour. Knots. Courses steered. Height in Ther. att'd. Air Dry Bulb. Direction. A.M. SHXWWW 88 8 begy 3, 13 80 3 Auin 78 75-81 1 L Plani sail to tople I sail 07 80 29 150 2 6 10 de 17 75 do 3 6 78 25 do 4 13 fo 6 75 Fo och 5 6 14 80 4-5 77 70 80 13 80 77 10 80 9 15 80 27 75-80 10 6 6 15 80 79 70 00 11 6 6 Les for top Bet sail. 15 80 97 75 80 Noon. 106 knots 9 - fathoms Distance run by Log since preceding Noon 05312515 Latitude by D. R. at Noon 042, "00 Longitude by D. R. at Noon 16 .37 .05 5 Latitude by Observations at Noon⊙ 31 . 48.30 " 7 Longitude by Chronometer from Forenoon Observations⊙ Current during the time .7 o knots - fms. per hour, setting to the cr 69° W Variation of the Compass by Amplitude ⊙ observed at Sunrise 10°00' "00 Variation of the Compass by Azimuth ⊙ observed at Sau 307 gallons. Water expended during the preceding 24 hours Water received during the preceding 24 hours . 1892 Water remaining on hand fit for use at Noon 2850 Coal consumed during the preceding 24 hours 1 tons 1464 lbs. 53 ".0098 " Coal remaining on hand at Noon

	THE REAL PROPERTY.	-	The second secon		1	No. of Concession, Name of Street, or other Designation, or other			-			_			-	
P. M.																
1	6	6	Swxw	886	5		311 14	80	80	71	80	day	Cu hum	6	R	
2	6	8	"	"	5		15					11	4	7		
3	6	8	,	"	5						50		1	5		
4	7		"		5		13						,	6		Same
5	7		,,	,	5		No. of the last of				fo		1	6		Ser man sail
6	6	6	"	"	5						do		1	7		
7	f	5	1	"	5		200				F.		1	1		
8	8	5	"	"	5						So		"	/		
9	9		, ,	"	5	-/4					fo		,	1		
10	9		"	"	5	1/4					8.		1	1		
11	9		"	1	5	1/4					50		1	2		
Mid.	9	6	"	"	5-	1/4					80		"	4		
	199	A STATE OF				1200	1									

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by G at 4 pm

31°46" W

Commences trutit 4 am. bloudy moderate breeze gradually haveling from SS6 to ESE. with preprent more rate equals of anil & rain. Long severe from SE. at I ser orgals. Quenis 30, 13 Saturday.

(20), Wheelogy Levis agen 41. faw Weather ognally trang. Barmeter strong, blunds muiter-stratus tomules. Fresh brigg from ASE, Shop bolling spitching savily to a long sweet from ASW, Frokis sycho or 7. + got a funifor on Main Jan. Distituing water. Querrie 20.07.

(291) R. Rohrer Levis agas. Sto Maid
Weather aqually thursling first four fewalth, afternant clear, and ple as aut, with
module to first breeze from SDE. Long sea, Froken spanker as 8,00 dooken fore Argane aus Pail treefes soprails (Reigh) at 5.45. Set for Top all aut sail at 11.30 Sotops Armos of presenter brace. Barmeles pleady, Stepps distribuy thanks fins, animi 50,05.

blear tpleasant . Fresh breeg from SSE. Rough seas this volling thething deeply. as 12 changes course to Sux W. and set manisail. Quenid 31.02 (ofv) com domin marter you

4 his Pour bludy, Slightly hazy, Pleas aut, Fresh trade would from Sto. Inegular, high broken sea. Ship sheary & rolling to beward quite heavily ar times. Or 4 th minitared as quarters, as 4 to raction as the maintenest Took in Main Trysail, are mid 30.0ch. (98) Wheleogy Levis age.

bloody sequely, Pleasant weather. Bosometer deady. Stiff breeze from SE. High Lea from So to which weeks spitches heavily ar terms. Quenci 30.0%.

blendy squary, Passing showers from finis far function. Strong breeze four SSE Rough Sia, anemia 30,10 (ggs, CRives Lews agai

ollow's declination = 7" 47' 57"H

Examined and found to be correct.

Leulewart & Navigator.

LOG of the United States Ship Cessey
Making Januage to Montendes . PRate, Guns,

-	1															
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	Crata of the	Forms of	Clear Oths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	457 45	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	9		Sweiker	116	1	1/4	3, 17	89	£	75	fo	try	Cu hin	2	2	Thrails . Rugle reefes come
2	9		.,	. ,	1.	1/4						,/	7	3		topsails, sugle respect course.
3	9		"	"	1	1/4	16	50	79	74	to	,	"	-		elagral.
4	9		,	,	/	1/4	16	on	79	73	fo	be	"	2		
5	8	4	,	"	1,		15	fa	79	74	fo	,	1	8		
6	8	4	1	,	1		15	fy				7	,	2		
7	7	6	,	,	/		17	80	19	70	- 80	*	,	7		
8	8		7	",	/	-		F,			_	,	pli-	6		
9	8		1	",	/		26	99	28	70	79	,	Cu' Cum	5		
10	8		,	,	/		20	79	78	73	79	7	"	5		Lame
11	8		1	,	/		20	79	18	73	79	,	Ci Cun	5		
Noon.	8		,	,	/		22	79	18	23	79	,	,	5	-	

186 knots 3 Gathoms Distance run by Log since preceding Noon 18 049 16 8 Latitude by D. R. at Noon 34 . 06 30 "W Longitude by D. R. at Noon 18.49.16.5 Latitude by Observations at Noon⊙ 34. 22 45 10 Longitude by Chronometer from Forenoon Observations⊙ 2 8900 Current during the time , 6 & knots - fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 8000 "00 Variation of the Compass by Azimuth ⊙ observed at Faun 310 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 2540 Water remaining on hand fit for use at Noon

		-	-				_						-		_	_	
-	P. M.																
	1	8	2	Sw/w	SEXS	1.	1/-	30 22	- Fo.	79	23	79	be	Cu Cun	5	En	
	2	8		,,	"	1	1/4	21	80	79	73	79	4	"	5		
	3	8	2	"	"	1	1/4					79	"	1	5		
	4	8	4	"	1	1.	1/4	20	80	79	23	79	,	"	6		
	5	f	6		,	1	1/4	20	8.	78	73	79	,	,	U	R	Joke in Me
	6	8	4	"	"	1	1/2	21	do	18	73	79	,	,	2		Som Trys
	7	8	6	"	"	1		24	So	18	74	79	1	"	2		
	8	8	8	1	,	1		20	- 80	38	74	79	,	1	3		
	9	8		"	,	1		22	8.	97	71	79	,	"	2		
	10	8	1	"	,	1	-					78	,	1	3		
		0	-			1	1		0						43		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Variation of the Compass by Amplitude

Variation of the Compass by Cy

tons

lbs.

sail

34 · 33 30 · W

Commuces Ato Fair Mondy sevol, String breeze from SSE, Sen rough & ship volling deeply at times. Bannettes standy. awind 3005 (ogs) w. m. hvin master ugw

Heavy tanks of trade alunds over horizon, Slightly hazy, Strong steady briege from I &. Long swell from St, and moderate sea from derettin of wind. Ship uneary and society 20° to 25°, Sever detacked tomaking about 38 new averied 30,04.

(Rgd) Wheelogy. Link Upp

8ti. Meil. Weather clear & pleasant. Fresh trees from SE. Rough sea towhich ship rolls + fitches easily, making a he may buch now other. Barraela steady, at 9" mustered + superties aren't greater, xexerced at assembling to repet broader. In each separter from aloft, one point find of port beau. Sighter a back standing from 20 the on for beau.

By order of Com of officer S. Buchanaw (6 steward) was given 3 day extra duty, for striking a ship to any officer of 3006 Phipmate, auenia 30,06.

(sgs) R Rober Lein Ugw

mei tox Pow

Weather clear tpleasant. Fresh Sto trades, moderate sea. anemia 31.07. Changes course at 12 = to Suo /2 w.

(ogs) BRRees Lieux Ugu

Cladytool. Fresh breeze pros SHXS. alloduate sea., Went to quarter as 444 anipectio crew. Mendes reef in Exprails, anemid 30.11.

(890) constrain Marter ugo

blear theasant. Fresh brigge from SExS. Moderate sea. Ship volling larily from 15° to 20° to beward. Jork in Mainsail + Ret Main Inspail. Seven making from 30 to 38 ver Quenia 3004. from 30 to 38 ser. Quenia 30.04.

Heather clear & pleasant. Barmeter steady. Clouds cumales & conscurredus. La rough, moderating in latter part qualch. I. ar, o set suiglo surfes mainsail. & frailes up mail Injearl. Quenid 20,16.

(pgd) 12 Robner Seins agen

ellonio declination = 3 36 11 21 Jusi 2

Examined and found to be correct.

develuace & Navigator.

LOG of the United States Ship Essex Maxwif passage Is Montevides , 3 d Rate, Guns,

								and the last teachers.		-						
				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	Paral data and
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather, by symbols.	Clouds, by symbols.	Prop. of Sky, in	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	_	2.	Swhen	SEXS	1	./	1						0.0	6	4	
1	8	2	Jujea	NGX N	1	14	30 22	80	71	71	18	Lo	Cu' Com	0	au	Plan' sail to toffell sails
9	8		,	1	/	1/4	21	80	77	71	28	"	,	4		except spanker treef in
3	8	3	- 1	"	1	1/4	21	8.	77	71	78	,	4	4		Topsails.
4	8	3	1	"	1,	1/4	٤,	8.	77	71	78	4	1	5	-	
5	8		4	"	5		23	80	77	10	78	4	"	7		
6	2	4	"	,	5		21	80	77	11	78	7	Cui	8		
7	7		"	,	5		21	80	77	71	78	7	4	8		
8	7		,	,	5		23	79	77	71	78	,	"	9		Shook out ref + ser Ryals
9	7		"	,	5		17	80	77	72	78	,	"	8		efer lis, der per fore
10	8	4	9.	4	5		J.	79	77	30	18	',	Cu' Cum	7		topmost stems ail,
11	8		,	1	5		30	79	78	14	78	7	7	7		
Noon.	8		,	,	5		50	79	18	14	18	"	1	8		
								/								·

193 knots 9 fathome. Distance run by Log since preceding Noon 2101358115 Latitude by D. R. at Noon 36 . 4507" 00 Longitude by D. R. at Noon 21 0 11 46 5 Latitude by Observations at Noon⊙ 36 °55, "W Longitude by Chronometer from Forenoon Observations⊙ 2077°W Current during the time , 42 knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 6.00, "00 Variation of the Compass by Azimuth ⊙ observed at Sacce 315 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 2225. " Water remaining on hand fit for use at Noon tons Coal consumed during the preceding 24 hours Coal remaining on hand at Noon

-		CONTRACTOR OF STREET	ALC: THE PERSON NAMED IN					-		-	_	-	The second second second				
	P. M.																
	1	8		Swhw	ESE	5	30	23	79	78	72	75	be	Cui Cum	9	ne	
	2	7		1	1	5							"	Cu'ste			
	3	6	5	"	1	4		25	-79	78	72	75	Tep	Cur him			1
	4	6	5	"	"	4		24	19	78	72	18	"	"	9		The same of
		7		1	1	4		24	79	78	>2	78	be	"	8		
		7		1	"	4							4.	"	8		
		7		"	"	4		24	79	76	72	78	1	4	7		-
		7		1	,	4		20	79	76	1-	-78	4	"	8		
	100000	7	,	"	1	4		25	79	71	12	-78	4	1	8		
		5		1	,	5			10000	100000		18		1			
	1000000	2	100		, ,							78		1	7		-
	Mid.	1	4	"	,	5		29	19	7%	71	18	"	"	8	7	

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

observed at sunset Variation of the Compass by Amplitude

Variation of the Compass by at 4 pm

36 °57 "W"

Cacity cludy spleasant. Fresh & trades, moderate sea. Baronette steady. Avenid 311,13.

Florest main Doprail. Borometer strady, aren'd Ev. 1. In moduating, as 700 shook referred for the main Doprail. Borometer strady, aren'd Ev. 10.

elighty hazy. Fresh alrady hade wind from & E. Moderate Real, ship rolling lasily. Der royalo & for topmack klumant, 949- mentend ar quarters. Instructed eignal class. By order of Com of Officer Rb. Marrett (10B) was given 10d ays extra duty, for leaving organal dass without permisin. Heigh Mi love (1 C F), & days extra duty for talking duty for missing muster, of watch. Quenid 30,16.

(gs) Wheelogy Luis of

med to 4 Pm Eleaction clear epleanant, with light passing showed frain, in lactor part quatet. which faces forced mostly ahead tastern. Barmeto steady. blonds bisis strates; Cumulus, ciris-cumulus, & mintus, moderate sea, cohich ship ordes easily. Systed a back on her beam, planting to 20 too, a section of Boys received cuntivation from Schoolmarta, anena 30.12.

· (sgs) 12. Rober Luis ager

4 1, 1, Pm

Heather clear of leasant. Moderate breeze from ESE. Barometa steady mentance at quarter as 4 45, Exercise as rufing course at 45. Quemid 30.13.

Lit. 8Pm Cloudy splearant, Bright mornlight grater fact Justet. Inoducate brege from ESE, auenia 30.18, (ogs) Were Immir Master Uga

blear Apleasant, Frech bruge from SE, moderate Dea, Bright anomelyhr.

(Dgs) 10 Relegg Luis agen

allowis decluration= 00 42 108 Fuit 2

Examined and found to be correct.

Sieulenaut Navigator.

104.16

Frate, Guns,

LOG of the UNITED STATES Ship Cases	, maie,
MI VIII	,
Making Jeassage to Mon	ulendeo

		Fathoms.	0	WINDS.			BAROMETER.		TEM	IPERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	
Hour.	Iour. Knots.		Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb,	Water at surface.	757 - 43	Clouds, by symbols.	Prop. of Sky, in J	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	1,		Sui/2 av	ESE	4		3,, 30	75	75	7/	47	la	Cum Cui Cum	7	2	all planisail except
2	1,		"	,	u						77	, "	",	6		Spaaker
3	5	5	7	7	3-4		27	75	71	71	77	y	"	9		
4	5		1	4	3-4		27	15	75	71	77	"	"	9		
5	1,		"	,	4		26	71	75	71	77	7	1	9		
6	1.	4	1	9	4		26	15	75	71	77	7	1	9		
7	1,	2	- 1	7	3-4		25	76	75	71	77	7	7	9		
8	5	6	1	,	J		26				100000000000000000000000000000000000000	7	1	9		St fly Sis + to filk
9	5		,	,	3		03	76	16	70	77	,	1	9		clineal .
10	4	F	1	,	3		33	76	76	70	77	,	9	9	-	
11	V-	-	,	ENS	3		32	76	77	21	77	,	7	7		
Noon.	5		1	"	V		31	17	77	71	77	,	1	6		
									-						-	

151 knots 7 fathoms. Distance run by Log since preceding Noon 22 . 58 , 32 " 8 Latitude by D. R. at Noon 38 . 52:00 " 00 Longitude by D. R. at Noon 22 0 56 00 5 Latitude by Observations at Noon⊙ 38 .53 30 " W Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time knots Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Facu 4.00, "00 320 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 1905. Water remaining on hand fit for use at Noon lbs. Coal consumed during the preceding 24 hours

P. M.			1. 1.1												
1	2	46	Sw/2W	Ex8	3	30 20	77	7)	71	77	de	Cu Cun	9	2	Les por leve steeral.
2	5	-	"	"	3	28	18	78	12	77	"	"			
3	5		",	"	3	17	78	78	72	77		1	9		A. C.
4	4	2	"	,	3			100000		77		cui+	9		
5	. 4	5	,	,	3					77		Cur	9		
6	4		"	Each	U					77		ai ste	-8		
7	4		"	,	3			13.132		-77	9	"	8	9	Hands dem f fis telagrant
8	4		,	,	3					-77	4	"	9		
9	4	4	,	"	3			11			y	Cui	8	L	
10	4	4	4	,	3			00000		77	,	"	6		
11	5	0	"	46	3	The same of the sa		1000		77		,	7		Stace ets stim sails
Mid.	5	0	"	"	3	THE RESERVE TO A STATE OF THE PARTY OF THE P				17	"	"	7		

Longitude by Chronometer from Afternoon Observations ⊙

Coal remaining on hand at Noon

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by G at 4 pm

38 ·53 15 "W

Who saw induate to gent hey find Ester Long severe. Barmete straty. Ser gring jib, of tofgoelan sternails as 7,40, arend 311,14.

(Ogd) CRRees Leavis upo

The reis Pleasant weather, Lyho breeze from ESE. accoming to Exs. In y sweet & ship rolling painty Barmelo steady, airis bedding award 31, 3,

Musting the Super bruge from ExS. Ship welling easily to a long power from Es, at 1200 changes drunce to Swift co. Let part lower blue at 15; ", Sighted a book selen standing to Settle auraid 311,12.

Weather clear topleasant, Sento breze from E. to Ext. Clouds cino-cumula, and cino status. Ship polling totaling early to a long sweet from St. De bank in eight on for quarter standing to Sexer.

lete & Prod leter pliarant, Bright montiste, benede breege from &. Sonort Sea. Barmeter pricip. Howles down + Stone a flying jit & foretopenant stagsail as 7. ". Quemia 30.12. (290) BRRees Sieur cyw

Aleanaur weather. Light breeze pour 6°, veeinig to 26. Long sweet ship ording deeply or times. ar 10° ser are set strained, Haules of mairiail. anenia 36 10.

(sgs) Wordson master agel

Moon's declination = 502118

Finis 20

Examined and found to be correct.

Lientenant & Navigator

LOG of the United States Ship Essex Making passage to Montundes

		_		the same of the sa									Name and Address of the Owner, where the Parket of the Owner, where the Owner, which is the Owner, which	SHAREST PARTY.		
	T		10	WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Clear 10ths.	State	
Hou	Knots	Fathoms,	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Air Dry Bulb	Air Wet Bulb	Water at surface.	Weather,	Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
		Fa				7				27010.	Sarraço.			A		
A. M	1		111	26			1					1	Ci	0	-	40
1	5	2	Sec/400	26	2		30 23	76	77	70	77	oc	Lu	F	1	Planisail to myals except
2	5	6	"	1	3		IL	76	17	70	77	',	"	9		Manisail to myslo exceps. In sail , fly Lib , * stappart
3	5		7	1	3		1-2	-76	76	70	17	1	"	9		ales all stensal ,
4	4	6	"	1	U		22	76	76	10	77	9	"	9		
5	4		1	1	2-3		20	16	74	10	15	- 1	Ci Ste		1	
6	3	5	,	7	2-3		20	76	76	10	11	- ,	Cur Rte	9		Food in set Is present lam
7	3		,	1	L		20	76	7%	70	15	- ,	"	9		elivail
8	3	5	,	7	2		10	76	7%	71,	70	- "	4	9	1	
9	4		4	. 1	2		. 20	76	18	12	75	- ,	7	9		Let ats love topment
10	3	8	1	,	2		23	76	78	12	75-	- "	4	9		etimant ,
11	3	8	1	,	2		25	76	18	12	75	- ,	4	9		
Noon	1. 4		',	,	2		4	16	17	71	75	- "	",	9		
	1							4							-	
	Dista	nce ri	in by Log since prec	eeding Noon								108	knots 7		ioms.	
													4016			
			Latitude by D. R. at Noon Longitude by D. R. at Noon 40° 12' 45" C													W.

Longitude by D. R. at Noon 240 16 \$505 Latitude by Observations at Noon⊙ 40.08,-00 Longitude by Chronometer from Forenoon Observations⊙ fms. per hour, setting to the Current during the time Variation of the Compass by Amplitude ⊙ observed at Sunrise 3.00, "0 Variation of the Compass by Azimuth O observed at Face 310 gallons. Water expended during the preceding 24 hours during the preceding 24 hours Water Water remaining on hand fit for use at Noon lbs. Coal consumed during the preceding 24 hours

A CONTRACTOR OF					1		The second second	1		The second second				THE RESERVE	
P. M.															
1	3	6	800/400	NE	2	30 24	16	77	7/	75	Le	Ci Cum	9	8	
2	3		1	"	2	24	77	78	72	25	- "	,	9	Ji b	
3	2	6	"	"	1-2			1777		7		,	8		14
4	2	2	- "	,	1-2					-75		"	9		
5	2		,	1	1-2	100 100 100 100 100 100 100 100 100 100				- 71		1	2		
6	2	6	,	,	1	18	78	77	22	71-	- 4	,	4		
7	1	5	"	,	1	19	78	77	52	7,	- 4	Cu Str	5		
8	2		,	",	,					-35	- ,	"	4		Les les clan of M sail ,
. 9	3		,	6	1			77			- 4	,	5		,
10	2	5	,	1	,	18	76	77	72	15-	-,	Cu Cum	,5		
11	2	5	1	1	,					75		,	5		
Mid.	3	2	,	"	1	20	76	75	71	70	- 11	,	4		
1		1	A STATE OF THE PARTY OF THE PAR		A CONTRACTOR OF THE PARTY OF TH	Committee of the last of the l		Para la		The state of the s					

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

Coal remaining on hand at Noon

at

formuceotto Hall blear tipleas aut. Light bruge from 26. Amont Lear Mornlight, moon set at 4,21-auenia En. 16 /1.

Ht. facus

Heather frie. Light to gentle breeze from 26. Long sweet from 5°46°, Clouds cumulos + cerim cumulos. The toese block of the sto for topmast steward born. after, + to repair A, trok in sto foretopenant + lower clussal, and 20.10

(Pys) BRohrer. Lines of a 8th, meid

8th meid

blear & pleasant. Cente breze from UE, Smooth Lea. Let ett lower & toponat plunals at 5 th, the Comog officie cinfected ship & court. at quarter as 95. By order of Comog officie reliance John McGoroan Dentiform confinement. Steering a comme so 14 cs fo), Quernia 30,19

(pgs) BRRees Truit Ups

Muisto 4 PM

Muistrus Aghrains fine UE. Long sweet & ship orching duffy. Borometer plung, awind 30, set.

blear t pleasant. Light air frin 12 E. Ship rolling early to evere from h'th?

Froken are sets sturials. Avenia 30.0%

(ego) Wheelogg Leis Ufur

(to 8Pm)

ht. SPW

We auto clear spleasant. Light breez four not6; Barometer nearly steady. Ship rolling saily to long swee four 26., ammic 30.07.

(egg) K Rohner Lieux agel

The Mid.

Sh Mid.

Weather clear & plenaux. Bright montish. Light breeze from 6 - Sommet Sea.

Ser be clos of maniant as 5,00 account 3,000

(290) CRees Levis agas

Moon's declination = 9"13" 33" 8

Examined and found to be correct.

LOG of the UNITED STATES Ship Essex , gd Rate, Guns, Making passage to Montevileo BAROMETER. Prop. of Cle Sky, in 10th Record of the sail the vessel is under at end of watch. Courses steered. Air Dry Wet at Bulb. Bulb. surface. Hour. Height in Ther. att'd. Direction A.M. a aun Su/4ce 30 20 75 75 71 75 75 71 19 75 Gauket Trypail, all part Ci 6 18 75 0-1 75 6 4 Cu' Cun be go Cum kin Sw 22 74 74 69 75 nuxu Let Royal top 1 lt sails, from sux s www Cu Cun 74746971 8 SSW Ci 74 13 69 71 9 Cu Cum 69 75 10 74 /3 69 75 11 13 Cir Lui Noon. 46 knots 7 Distance run by Log since preceding Noon 0 43.17" Latitude by D. R. at Noon · 43 30 " Th Longitude by D. R. at Noon 24 041 26 5 Latitude by Observations at Noon⊙ · 51 45" CC Longitude by Chronometer from Forenoon Observations⊙ n 71'w. Current during the time ,3 knots _____ fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 3 .00, "9 Variation of the Compass by Azimuth ⊙ observed at

310 gallons.

lbs.

40°52'15"W

P. M.																
1	after	Las	gar ,	SSW	2		30 25	74	73	1,9	75	Le	Ci Cuw	3	S	be fly dix . 4 myals.
1	0	a	86x61/6	"	2	1/4	100000000000000000000000000000000000000			1000	100000	7	,	4		,,
3	Anel	4	-	"	2				1000000	1	10000000	"	9	6		
4	4		wsw	"	3	1/4	The State of the S		1000		10000	,	1	5		
5	5	4	Swxw	Sx &	3	1/4						- 1	7	6		
6	6		1	1	4						1000	- "	4	0	0	Look in organ of fig dit . Les
			Sw 1/4 W	16×6	4		1000000			100 100	10000	- ae	,	1		for topour elapoul.
8	8		800/200	" "	6							- Te	1	-/	_	Toda toplet sail thou
9	5		SW	dExs	6							- ,	Gui au	1		sigh out in family topials.
10	5	5	1	"	6				100000	10000	71-		"	1		
1000000		-	1	"	6		The state of the s	10000		1	75		Cu acu	1	,	Les Spance & main Joplet
Mid.	0	5	"	"	5			-	-	100	1000	- "	,	1		Pails .
		-				1			-	1						

observed at sunset

Water expended during the preceding 24 hours

Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude

Variation of the Compass by

Coal remaining on hand at Noon

during the preceding 24 hours

Water

Monday may 1et

, 1862.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commune Sto 4 Am

Observe weather. Light air from & ", Bright mornlight greater four of watch. Avenid 30.06 (Ago) Wondin master uga

Galow fries how of watch as 5" had a light equal of which, with heavy rain from Sev. Smooth Rea. Light breast from Sev. as 4,0" tross in all port plen pails, and as of royals, toppallant pails, Full top at end of walls.

(ogs) where of Lint you

Neather clear opleasants Lyke to gentle more from Is cv. Baronelle steady at 131,25 Clouds, cirio, stratus, Cimulus + minibus, Der smooth. ar 9 " tacked ship, and got out a target, arg test to general quarters of find at larger. ar 11 slopped fining + shood on to pick up the larger. aund 30.10. Expended in larger fractice 150 lds, hexagonal fouley 190 le Cannon fonder, oble Rifle porder, 6, sin 25 lls cartidge bago 191x in, 10 lls Cartidge bago, 7 6 opis 8 llo Cutuage bago, 3 long sin for sheel, 3 short sin fer sheel, 19 1x in 5 see shee, 46 Coper per sheel.

(ego) K Rober Levet byw

Mens to 4 Pm

Clear tple as out. Light to gentle brege from & Her. Smooth Sea. Picker of larges at 1. Set Royals, + flying, Jix, and filled away on sett touto. at 200 two boys feel overbrand, while Painting boots, Let go life burgs, Backed in Fopail, Both boys climbed on board, Priked of brungs, and filled away on part tack at 3, Paniled boats, anemic 30.08. (gs) CREE Lent Ugus

Cloudy toool, Light to underate how from Ix E. Smooth Lea. Baronele steady. Quenia barruta 20.11.

(go) combine master cys

blondy, alear, pleasant. In oderate brug from SEXE. gradually freshering to presh tregular our greatant. Cer 7 20 tron in Infraetant out, called del hand, stron single pufin toprails. Somet sea. Quenia 30.08.

Heather alundy but pleasant. Fresh treeze from SEXS. Lew ringh thigh. Ship fitching heavily to a dwell from Sev. arg set the shauker, & Main departant sail; to ease of held. Boromete stray. anemia 30.12,

(ags) K Rober Lain Uga

13°05 35 8 Monis dealination -Jusi de

Examined and found to be correct.

MJT, Park. Ludenach + Navigator. LOG of the UNITED STATES Ship Essey .09d Rate, & Guns, Making passages In Monteviles Record of the sail the vessel is under at end of watch. Hour. Knots. Courses steered. Air Dry Bulb. Height in Ther. att'd. Direction. A.M. QUI 1/2 30 19 70 72 67 75 The Refeditional, Jib, slaypal, Ci Cum 46 19 73 72 17 74 fore sail espander, + Me Toplets. 2 1/2 12/17/13 de plan sail to Loffett sails 3 4 71 1/1 73 17 7271 16 13 Cu 7 8 18 72 71 1/1 73 8 20 22 71 17 13 9 En 13 72/17 /3 10 20 13 12/18 73 11 19 73 12-18 13 6 109 knots 6 father Distance run by Log since preceding Noon 25 057 56 "8 Latitude by D. R. at Noon 42 016 30 ieu Longitude by D. R. at Noon 25 . 36 . 37 "5 Latitude by Observations at Noon⊙ 42 0 2 2 10 " 00 Longitude by Chronometer from Forenoon Observations⊙ 216°W Current during the time 91 knots fims. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Faur 30 5 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours 980 Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours tons Coal remaining on hand at Noon P. M. Sw/4W SSE 2 30 18 10 72 17 73 1 Cu'sto 6-1 73 721,5 /3 0-1 3 13 13 72/15 73 Suxw/ra 4 72/14 73 16 SW145 13 Ci sto 13 72/14/3 42 72-12-14 12 71/14/13 16 71 14 13 9 70 70 /4/3 2 10 4 8 2 70 1/1/3 11 70 70 /1/1 /3 Mid. 20 1-2 Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

observed at sunset

at Hom

Variation of the Compass by Amplitude

Variation of the Compass by

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

formuces its exace Parity cludy the leasant. Modulo breg from SEXS. Barmeter falling: Short sufo out of Jofeails as 1, to made rail to Toffallow pails. Tookin Main Trypail. Cennid 30.10.

(egs. BRRees Leave ugo

4th 8am Coloneste bruge from SEXS, hauling to SSE, & perheuring. at days its ear Royal of flying jet, moderate sweet reship fetching slightly. amening 30.10.

blear, alondy, pleasant, moderate bruge from AExs. which gradually decrease to light ais. Ling moderate sweet from South. as 9, " Look in Spanker, Broke out for hold valeand bilges, Quartely Board of During Condenned & thew everboard 16 gallo of Beaus, By order of Time of office , wow simpson (CB) was flaced in politary confinences in brand subter for or days for desibeducion of orders, shirking, messing bruster, + lying, 12 olthoff (obes 5 day extra duty for shirting + mining moster. T. B. Barner (Las) 10 days extra duty for shirting work, Ra Friety Las, 2 days extra duty, for negliciting his work, Rle Manuel (108) theo days extra duty for shirting extra duty. Quemid 30.10.

(20) theo days extra duty for shirting extra duty. Quemid 30.10.

(20) Whileing Lines Cyu

ment trul Pow

Hearthe day, but cove spleasant, Baronnele fueling slevely. Clarico como atratas, Cimoannulus & whaters. Ship volling to a severe from St. Eight and from St St. Painting boots.

Re-stown & hold, Schoolmaster interested one sexten of Bayo. Conomid Qu. ask

(god), & Robert Lieus Uger

blear Afleasant, Light air from SSE Long sevel, Baronette siring. Musteund at quarter as 4, 5, Exercised at shorteneng & making pail at 4, aunid 30,05.

1, to 8Pm

Cloudy Apleacant. Lift airs from SEXS, Sourch les, Barrula eteady, Curic Es, 5.

Char spleasant, Light breeze from ESE. Long sweet from St. at 11 the went to levent Quater Length of twin for fine fine, 8 in Pair 10 min, 60 Par 5.30, Sum #1,845, Sum #2,500, Expended in ordinance Dept 25th Hex punder, 20 th Carmon powder, 8th Rife powder, 11x in sheet Jew, 160 per for, aunie 20.05.

1627078 monis declination = Juis 2

Examined and found to be correct.

LOG of the UNITED STATES Ship Essex , Rate, 6 Guns, Massage Jum Monteordes Making WINDS. BAROMETER. TEMPERATURE. State of the Weather, by symbols. Record of the sail the vessel is under at end of watch. Hour. Courses steered. Air Dry Bulb. Air Water at Bulb. surface. Height in Ther. att'd. Direction. A. M. Sw/400 686 Cu Cuw 30 11 32 12 /1/ 43 1 115-12 72-69 73 2 11/22/24/ 73 3 12/2/1/1/13 Cun sto 虚 1, 12 7/ 1/ 73 Ci Took in he said & love 5 1872 11 1/1 73 Cu'ste 6 72-71 67 73 Cu' Cum 6 7 48 0, 72-71 17 73 6 3 4 8 1127223 18/3 3 10 48 12 12 74 18 73 Les sto stemails 11 1.9 73 26 Noon. 64 knots / Gathoms. Distance run by Log since preceding Noon 26 . 24 19. 1. Latitude by D. R. at Noon · 09 15"W Longitude by D. R. at Noon 26 0 16 00 08 Latitude by Observations at Noon⊙ · 21 '00" ce Longitude by Chronometer from Forenoon Observations⊙ 50° W Current during the time , FU knots _____ fins. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 1.311 "W Variation of the Compass by Azimuth ⊙ observed at Facur 305 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours lbs. tons Coal remaining on hand at Noon

-				The same of the sa		-		-		-		-				
P. M.		,	800/48													
1	,	6	800/28	216	2		3,, 02	74	23	19	73	oer	Cum hum	0	2	
2	2	8	"	"	2					1000		"	"	0		
3	3	7	"	"	2-3								The same of the sa			Let att lower etiscal.
4	4	7	"	"	U		9 98	74	22	1.7	73	oc	1	0	1	
5	5		"	nw	4					1	1000	ocv	min	0		Fook in all steensals. Sen
6	3		,	"	2					C 500 000	10000	- "				Sook in all steensals. Sets top that stays aid, I form
7	1		1	ile	,											Look in orgalo +fly lik
8		5	"	"	1							be				Tokin Sysail Aspaulis
. 9	1	0	,	"	,				1			ov	A CONTRACTOR OF THE PARTY OF TH			be my do , trysal offy file
		6		"	U							be				
11	~3		8/26	Sux w	1		01	70	21	11,	72	"	au aum	6		Let shouter
Mid.	2	8	8/26	"	2		01	71	71	1,9	12	, ,	"	5		Let showker
1	Jan Barrell	10000			1	100000			10000	1	1					

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

Examined and found to be correct.

Williamby Navigator.

Rate, Guns, LOG of the UNITED STATES Ship Cessey Making Darrage In BAROMETER. TEMPERATURE. State of the Weather, by symbols. Record of the sail the vessel is under at end of watch. Courses steered. Hour. Knots. Air Dry Wet at Bulb. Bulb. surface. Height in inches. att'd. Direction. A. M. Gi Gu 4 he Plan sail to orgals. 8/2 6 Suxw 30 12 11 72 /15 73 01 70 7, 1.4 75 6 except in Sail 2 8x616 5 11 70 70 115 73 886 6 111 70 70 1570 4 39 94 70 69 1,5 73 5 94 70 69 105 73 a eli him Cun 9) 70 69 10-73 2 R Les toffet vails Sxupel wx 8 6 95 70 69 1.5 73 Sxu 96 70 69 1.5 73 8/261 96 70 70 1.1. 70 wsw 6 10 Spice 94 70 70 1.1 78 11 Lef 95 70 70 1.16 78 Fork in topytt sail Aparker Noon. 106 knots & fathoms Distance run by Log since preceding Noon 27 0 54 12 "5 Latitude by D. R. at Noon 43 .26 0000 Longitude by D. R. at Noon · 49.45.5 Latitude by Observations at Noon⊙ 007 10 100 Longitude by Chronometer from Forenoon Observations⊙ n 75° & Current during the time 6.75 knots fins per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 1000, "00 Variation of the Compass by Azimuth ⊙ observed at June 30 4 gallons. Water expended during the preceding 24 hours Water received during the preceding 24 hours Water remaining on hand fit for use at Noon 1871 Coal consumed during the preceding 24 hours tons Coal remaining on hand at Noon P. M. 8/16 1 68 wsw 70 70 1,5 92 hurb dep 8xE To 14 72 8 x6/26 Suxw 97 70 70 14 74 6 x 4 Ex deffetosils. 70 1.4 JL 86/28 Suxs 6 5 97 70 7. 1.4 72 luxx 6 6 Cum Ci 99 To fo huy 72 30 110 To To 14 72 4 4 110 70 70 14 72 3 7. To 14 72 10 11 Mid. Longitude by Chronometer from Afternoon Observations © Longitude by Chronometer from Observations Variation of the Compass by Amplitude Variation of the Compass by at 4 pour

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Pourmences + to y auch blear sphoonest. moderate breeze from AW. Smooth Sea, Bright mornlight, Distirting, Quenit 19.90. 4 to face Freather clear oplices out though equally in last hour frontoh . Fresh breage from WSW to WXS. -Moderate Rea. Clones cumulus, cerius, stratus +mintus, Distiding water. Or 7.2" forles orgale & flying fit + cleves down to figallant pails to a repeat. animo 29.93

(Ses) K. Rohrer Lines ugu Sto merd Heather generally pleasant, with occasional oquals, Baronula meanly stray. Distilling water, Mustime at quarter at 9", & exercise 1st & martin Dis or single strake, 2" Dis + mani Grand or small arm, + Powder at passing founder. By order of Com g officer Inlines Hartman (1013) was given Idago extra duty for shirting, and 29.90, Dook in Spanker at 10, 4 toppollant sails at 11 to go, borkees Luit regel

Cloudy the court Fresh brege from wsw, moderating lactur fact. Moderate owen and ship rolling lavily. Distitling water. Quenis 29.92., Changed comment 1 to ser. Deeper weeks bewart 15°, to coniderand 9°, (gg) Workmin Mashruger

Clear sple as aut. Moderate breeze from SW, moder ale Rea, Cet 4.45 mustind at quarters, Oct 5.5 com ship to A 400°, Header WX Was new toek, Districting, aren'd 29.94.

(4pl) Whilelogy Sint agent

Hente clear spleasant, Frech brege from Sitx S, moderate sea, Baronete steady, Bright morn votatifor, avenid 29.97. Dieticling (ggs) & Robrer Leis Gar

Hather clear Apleasant. Bright monelijke, Lijks breeze fran S'AW", Smont bear, Baronette straty, Districting water, Quenia 29.99.

(ags) CRRees Link ager

20 43 148 ellouis decliration =

Examined and found to be correct.

LOG of the UNITED STATES Thin Gessex Rate, Guns, passage tu Montevideo BAROMETER. TEMPERATURE. State of the Weather, by symbols. Record of the sail the vessel is under at end of watch. Hour. Knots. Courses steered. Height in Ther. att'd. Air Dry Bulb, Wet Bulb. Direction. A.M. Cum DW 30 03 yo hay hay 71 except me Sail . sex Reyal 1.9 1.4 71 Cu'au 2 19 14 71 02 70 70 14 11 4 02 To To 1.5 71 5 04 To To 1.5 7. 46 6 06 70 7, 1.5 7, 7 07 1. 7. 1.5 7 3 1-2 8 ai 08 10 7, 1.5 7, 9 2 Cum str 05 10 7, 1.5 % 10 Look in post stemale. 05 70 7, 1.5 71 3 11 Look in all lover stendil eli-02 70 7, 15 91 Noon. 4 F3 knots J Cathoms. Distance run by Log since preceding Noon 28 032 14"5 Latitude by D. R. at Noon 43 °36 '03" CV Longitude by D. R. at Noon Latitude by Observations at Noon⊙ 28.20:41"5 Longitude by Chronometer from Forenoon Observations⊙ 43 ° 26'15" W Current during the time 0.75 knots ____fms. per hour, setting to the 228°6 Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth O observed at face · 311 Water expended during the preceding 24 hours 310 gallons. Water pección de during the preceding 24 hours 1039 Water remaining on hand fit for use at Noon 2600 Coal consumed during the preceding 24 hours lbs. tons Coal remaining on hand at Noon P. M. 1 3 3 DW 30 0, 71 72 10-7, Cum nnw be 4 DW/200 3 29 99 7, 72 15 7, 2 48 2 97 71 72 1.5 71 3 91 7. 12 1.5 71 2 95 71 72 15-71 Ser Spanker 3 3 96 71 72 10 71 beg 3 n 96 70 72 11-71 " 96 72 12 11-71 10 11

· 36 '30" W

Mid.

Longitude by Chronometer from Afternoon Observations ⊙

observed at sunset

at

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude o

Variation of the Compass by

, 18 87.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Ho Haw blev tpleasant. Light bruge from ASE. Or 12: 20 per Royale oflying fit, stoffed sciteting, haules fins at 12.40, award 29.98. (egs) combron master agas 41. 8aw.

blear, delightfut weather. Light air from n.6. moderate sweet from Doten. at 5 per ace per stemails and at 7 all sto, awaid 20.04

(84) Whielogy Link Uger

Sto Meids Heacher clear pleasures, Darometer faeling, Clouds Cerius, cumulus, stratus Munitus, Light brege pour El to 2020. Lea amonto, ar q's orenteur ar quaters afternants exercise The cred at tattaline driel. The 12 & Did find as target with Rifle, Mended the bend of The Main Topsail, Jost in post plumants & sett lower plumail, the wind hauling ahead, brand up a comple of prints by the feat braces, are Eiglish brigaintim in sight on att bow with whom ur exchanged dolors. anewid 29.94. By oder of Coming officie Iohn a Kilson Hoss was given odayo extra duty for disobeduce,

(gs) K Rohner Leint Egen

mend to 4 Prw.

blear tpless out, Genete breze from is selv, gradually wienering in force. The Eighich tryaiter forces by at 12 to book to rest of a satute by difflig her colors. Returned the salute. Crew or work on bouts, & general work about dook. Quenci 29,90. Changed course at 1 tu Surper

Ego BRRees Lieux Upw

Therank weather, moderate breeze from now, moderate Rea. Went to quarter as 4th after which exercised at shorting smaking sail, Ser Spanker at 6 - annie 29,90, worker with Master Ufer

At. SPM

bludgefilerans Frech briege from unto, Senont Rea. award falling slowly (egs) Wheelogy Livis ages

Sto neil Weather cloudy but pleasant, moderate to fuch they for the Sunt, ship street, blends conscious commules, Quenid boromates 29.55.

Morris declination

Examined and found to be correct.

Navigator. Lienterates 6

LOG of the UNITED STATES Ship Essex , TRate, Guns, Making passages tu BAROMETER. TEMPERATURE. State of the Weather, by symbols. State of the Sea. Record of the sail the vessel is under at end of watch. Courses steered. Hour. Knots. Air Dry Wet at Bulb. Bulb. surface. Height in inches. Direction. A. M. In Plane sail to rogals . to prose Se0/200 chin 29 83 72 72 17 11 och 6 Cum 80 72 72 1.8 71 fe Took in spanke & doft to 6 16 12 12 18 70 clinials at 12. 6 13 /2 /2 1.8 10 Foot in myals, + topmare 003 6 31 J3 72 1.8 To Auin 61 73 12 19 70 6 ocd 1.5 73 71 1.9 % ocv 0 Irodin top 9 lt sails, + no w'nw sev 1.5 75 71 19 70 Lysail, but doffet sails 0 1.1. 33 7, 1.9 70 6-8 R Look single reaf in Jofial. 1.5 13 71 19 70 8 /4 W 1.5 11 119 115 70 4 11 SSW 1.3 90 1.9 10 76 Noon. 158 knots 9 Distance run by Log since preceding Noon 311 6 115 23 11 Latitude by D. R. at Noon 45.36 and Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Water expended during the preceding 24 hours during the preceding 24 hours Water remaining on hand fit for use at Noon 2290 Coal consumed during the preceding 24 hours lbs. Coal remaining on hand at Noon P. M. 2 SSW n 29 111 30 19 11/19 3 atim R oe 0 12 70 19 11 18 6 och 0 Set Modrypail. . Sort in for topail. Clase reges to seponic + fore sail 6 59 70 19 11/18 4 xx W 11 70 119 11/ 1.8 o cqv 6-8 4 11 70 19 17 18 beg 6-8 4 12 70 19 11, 1.8 fore storm stay poil. 7 6-9 4 SxW W 112 70 18 12 18 Sxw/zw 6-9 4 12 70 17 11 18 SSW 6-8 3 10 4 6-9 4 11 6-94 Mid. 4 Longitude by Chronometer from Afternoon Observations ⊙ Longitude by Chronometer from Observations Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communers the Harr blody & generally pleasant. Light showers frain first hour first hour of watch. Itty brigg from no. See growing rough. Barracter falling rapidly. Lower stratum of clouds moving evity from his, upper stratum more slowly from hot took in efactor at 12 5. topgathaut stude at a royals, figig jit + fore topment stays all ar 2 5 auril 29.72. Sor were, Rogh sea schip voling deeply. Barrule strang latter part. Josh in and fentes manipail at 6, 20 f ar 6 to forled topgalout sails, as 7 - pur helm up + run off to the 80, the world hauling ahead. as 7 - headed DW, and hauling back. anemia 29.1,5 (000) I com Innie Martin lyw St. Meid blondy, threatening, with frequent tiff equalls from WW. Strong heeze from to to waw. Modelate sea, with long searce from W.E. ar 9 set topgaeland sails, and at 11 west them in gain realles all hands & tross double sufe in Fopsails & single sufin foresail, to heavy equal from Ma W. Hearles down jeb, Waid moderating at seed freatate, Bad weather continued thoughout, with slowly facting boometer, and 29.50. (go) collecting Live agent mend for Pro Heacher squally, untities + Anating, Bornette Attendy flow, has rough + viving.

Nemitus clouds. Let main trysail at, to ease the helies, + got up preventer haves. at

3 carles all hauts ruf topsails, and close rufes the main Irpsail; feeles the fortopsail. + drow seams refir forsail. Ciumia 29.1.1. (ggs) R Rober Siens uger

blondy, and blowing in strong agnalls from Wx S. Rough Rea, Barranter beginning to rise, But for storm stagiant & storm migger as 4. "
having down head of main trypail, made prefarations for heavy wanter, Muchand as guarters as 5. Quemid 29, 67.

(Egs) BRRees Link ofer

Toucait telondy, Liff gale from we. Rough, ship volling daply, annie 29.15.

blear, tiff steady gale from Wx W. Morderately high pea. Ship volling from 25th 30° to leward.

at 8th per storm miggen. Morn one at 5.0. Bright mornlight, Cumia string along 29.72.

(go) Wheeloffy Saint ager

Allow's declination =

Examined and found to be correct.

Linkenaut & Navigator.

LOG of the UNITED STATES Thip Essex A Rate, Guns, Makin WINDS. BAROMETER. TEMPERATURE. Prop. of Cler Sky, in 10ths State of the Weather, by symbols. Record of the sail the vessel is under at end of watch. Courses steered. Hour. Air Dry Wet Bulb. Bulb. Direction. A.M. cui 5 58 57 118 2 Close reper mesal, for 2 5-8 3 57 dom elajad storm 1 muzju he by sail 4 xxco/200 3 5 11 14 57 2 1,8 6 8-10 2 7 1.1, 1.4 (3 8 8-10 4 www 53 9 8-10 4 2 10 6 11 8-10 Noon. Distance run by Log since preceding Noon 47 knots / fathoms.

30 04613" Latitude by D. R. at Noon Longitude by D. R. at Noon Latitude by Observations at Noon⊙ Longitude by Chronometer from Forenoon Observations⊙ Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours Water remaining on hand fit for use at Noon Coal consumed during the preceding 24 hours lbs. tons Coal remaining on hand at Noon

P. M.																
1	2		SSW	arew	810	4	29 70	1/2	59	02	1,8	tog	Cun Kin	2	R	
2	2		4.	"	870							begg				The same
3	2		×x w	wxs	8-10		20	1.2	07	14	1.8	segr	,	0	'	
4	3		,	,	8-10							,				The second
5	2	5	1		8-10						1.8		neni			
6	2		dx 6	,	5-9	4					1.8	V	Cum Mai	-		The state of the s
7	2	-	16x8	Suxes	5-6		100000000000000000000000000000000000000					,		1000		
			wxzu	8	5-9						48	+				
. 9	2	-	nnulsed	Ix ws	1-8		7 - 5 - 7 - 7 - 7		-		18		,			
			nnw	SSW	18	3		0.000		55		,	,	4		
11	2	4	www.hw	"	1-8	3					1.8	1	,			
Mid.	2	2	"	,	5-7	3	93	1,	1/2	50	18	,	4	4		
1000000	BALLER.						CAN CAN CONTRACTOR		100000	100000	10000			The same of		

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

St. Muid

Heather mostly cloudy. Moon & class chaning brightly as times, Stry brightly occasion of 29.97.

George Country Country Sxcv to SSW. Barobula siring. General 29.97.

(245) Commin. Luis agen

Mont declination =

Examined and found to be correct.

Lielenaux & Navigator.

Hour. Knots.

| State | Courses steered. | Direction. | Force. | State | Direction. | Force. | State | Direction. | Force. | State | Direction. | State | Direction. | State | Direction. | Force. | State | Direction. | Di

					WINDS.			BAROMI	TER.	TEM	PERAT	URE,	State of the	Forms of	Clear 10ths.	State	
	Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther.	Dry	Wet	Water at surface.	Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Sky, in 1	of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M.													01			
1	1	1	5	Sxw.	wxx	5-8	4	29 70	16	14	57	1.8	dag	Cuntin	5	R	Close reps m dopoil
	2	1	5	"	"	5-8	4	70	1.1.	14	57	1.8	"	,	2		Clow refer foresail,
	3	,	5	"	4	5-8	4	70	1.1	14	77	1.8	4	7	1		for stom stayouil.
	4	1	5	,	"	5-8	4	73	1.6	14	57	1.8	",	"	,		Eline rigger, Me Typail
	5	1	2	Sxwhw	1	8	4	12	1.1	1.4	17	1.8	,	,	3		
	6	2		,	7	8-10	4	72	11	14	17	1.8	Lego	"	2		
	7	2	-	,	,	8-10	4	72	1.1	1,4	56	1.8	"	"	2		
	8	2		,	,	8-10	4	72	1.1	44	55	1.8	"	,	2		
	9	2		SSW	unw	8-10	4	76	1.1	14	53	1.8	,	,	4		
	10	2		"	,	Eru	4	77	13	19	12	1.8	Leg	"	4		
	11	2	4	,	1	8-10	4			59			1	"	6		
1	Noon.	2	4	,	,	8 70	4	70	12	19	51	1.8	,	"	2	-	
1																-	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon⊙

Longitude by Chronometer from Forenoon Observations⊙

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude © observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours

Water during the

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

during the preceding 24 hours

1790

ons lbs.

52 knots4 fathoms.

30 25075

45.14 18:00

30 . 53 50 . 8

45.06 37 w

P. M. 1 SSW 8-10 4 29 10 he og 52 1.8 Ley Cum him 2 wna began 25 pr 22 18 2 1-10 4 3 Sxw 73 1251 54 18 0 5-104 ocgv 4 3 74 hn 51 54 h8 5 80 hn 51 54 18 begr 8-10 4 hui Dx 6 80 hu 11 04 1.8 5-9 4 16x8 Swxw 5-64 80 pu nd 24 18 3 83 1, 09 54 18 WXZU 5-9 4 wnw/2w 6-8 10 68 11 2 1.8 3 Mid.

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at

monday may 8t

, 18 8%

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Hotal

blear & pleasant weather, grader fort of watch. Fresh bruge very thouling from w sw to sow. Occasional strong squalls of waid train. Heigh broken prigular sea. Ship oveling heavy or terms from 2016 35° to leavand, Bosometer viving, award 30,01. Banker from,

Weather equally but improving. Fresh to vary strong breeze from Der to Serx S. Barmeter Rough wing. Clouds cumules smiters. Rough sea, which ship rides weel. Hauler fins & un complet the Jospelor. Ser denble reefer fore topsail, & shook one net out of manipail. annied 30.10. (ogs) K Rohner Leist oga

Clear splemant. Moderate breze from 20°460°, Long rough sea. Barometer vising. Ser Spanker, & foretopmant stagoard ar 8.00. Muslimed at quarter ar 9.00 Took in a panker at 10. Six foot of spanker ar 10,000. Shook neft our of Topoails ar 11. Write and seas outriding. account 30,14,

(ogs) BRRees Teins agn

Mend to 4 Pm

Clear toool, Like brege from SSW, Rough Rea. Ship volling thetching deeply. Baronute steady. at 1 shooks out our Afonoail. Ot 120 per topgaelant bails. Quenia 30.15.

(ogs) Wen Immi Master tyle

4 th 6 Pm

blear splearant, Light breeze from S'4W; gradually hauling to So, SSWat end of watch, Haigh broken severe from So as 4th shoose reefs out of the aits. as 4th musteand at quarter, amind 30,17.

(pg) WMeelogy Junit ago.

6 to 8Rw

Overid 30,20.

(ogs) K Robser Lewis Ugel

Sto Mid

Clenty, Calen, Borometer steady, Frok in foresail, main Ingpail + Spanker, at q. Hauler down storm stagial at 11.00, Quemis 30.23.

Monio deslevation =

Examined and found to be correct.

Leilmant

I.OG of the UNITED STATES Thip Essex Rate, 6 Guns, Making passage to Montinder BAROMETER. TEMPERATURE. State of the Weather, by symbols. Courses steered. Hour. Knots. Air Dry Wet at Bulb. Bulb. Surface. Direction. A. M. Sux co/ra 16x6 Lo Cui 8 L. Jopails, tofatt. formail 30 27 14 hz so 1.7 27 14 12 55 17 26 /13 113 55 17 Suxwhen 26 1.3 1.2 50 1.7 Ser be den f me sail 26 13 12 55 17 12 27 12 1,2 55 17 for als topment eliminal 26 20 h3 h4 v6 hy Ret Regals & weather class 30 13 14 57 67 8 of Marrial. nxw 29 1.4 13 58 17 be for lim him 29 14 1.3 19 11 nnw 10 4 new 31 14 13 09 17 11 Sux w neux ev 3 30 14 10 59 17 Noon. 49 knots y fathoms Distance run by Log since preceding Noon 31 002 06" 8 Latitude by D. R. at Noon 45.47.15.10 Longitude by D. R. at Noon 31,053 53" Latitude by Observations at Noon⊙ 46.03.110 34 Longitude by Chronometer from Forenoon Observations⊙ 21/16 Current during the time knots fms. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise 2000 "6 Variation of the Compass by Azimuth ⊙ observed at Faul 306 gallons. Water expended during the preceding 24 hours Water during the preceding 24 hours Water remaining on hand fit for use at Noon 1484 Coal consumed during the preceding 24 hours lbs. Coal remaining on hand at Noon P. M. Suxw nuin 30 29 Ci Cum 68 1111 68 11 14 8 6 2 Jook in regal + top 4 pails 6 6 64 20 15 14 58 17 Sugle refri dopail 6 22 hr hu 58 hg Look in Sparker as 7 -5 15 11

0	6	5	"	1	5	19	1.5	114	16	17	,	,	3		
1	6	5		,,	5	15	1.5	14	06	17	,	"	F		
id.	6		"	,	5	11	10	14	56	17	,		8		
	Longi	tude by	Chronometer from	om Afternoon Ob	servations ⊙				-		4	504	17.	" w	
	Longi	tude by	y Chronometer fro	om Observations		*						0	,	"	

2.30

observed at sunset

at 4 from

Variation of the Compass by Amplitude

Variation of the Compass by O O

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences the facel Commences & for faire les formated and fit of the solding deeply to a long sweet. Jun sew. ar 1 per Foresail. & squared away. Quemid 31,21.

(250) Whi Imin Master Ufer blandy, pleasant. Light frehering breeze Jome W, gradually haaling to it it it it is it. It is i

gs, Wheleogy Tuis again

St. Med.
Weather clear Apleasant. Baroneller steady. Gueto breze from HX W to HWXW. Ship
welling laiely to long swell from DixWi. teneria In. 24.

(291) K. Robner Lewis ogul

Theather clear Aflearant, moderate breeze from 200 400°. Senorth Red with long sweet from S. Barroute fulling, award 31,18.

(of). BRRees Levis ages

HT. 1. Prod

College of pleasant. Moderato breeze from H WX H. Sea moderato, Went to quales as

4. Calles all hands 4 trok a swigle ref in the Soprails ofenles Royals. Barrolle

pleasy. Quenid 30. 18.

(Sps) WM Inom Master upon

6 to 8 MW

Let Josh breeze from NW, Smooth Sea, as 9" trok in Shaulu.

Clear & feliasant. Fresh bregg from new, Smooth lea, as 9" trok in Shaulu. aunia 30.18 (20) Wheelogy Towns agas

Sty neid Weather good, Barmelin Jacking. Frech breze Jone 1100, Moderate Rea. Bright stalight, Moon over about 11:30 Classes crimi cumulus, Minites & cumulus. Lighting in the Sith horizon, anemid 30,11.

Ollow's dealin atim

Examined and found to be correct.

Lieulenaut & Navigator.

Che II	1 1	Montevides
Making 1	hassage Ti,	Montendes
//	1	

	1	-	I ROBERT AND ADDRESS OF THE PARTY OF	Total Control of the		10000										
1				WINDS.			BAROMI	TER.	TEM	PERAT	URE.	State of the	Forms of	of Clear in 10ths.	State	Post data and
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway	Height in inches.	Ther. att'd.	Dry	Wet	Water at surface.	Weather, by symbols.	Clouds, by symbols.	Prop. of Sky, in	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1,	1,	Suxu	New	5		50 11	15	1.1,	59	17	bal	Ci Cun	4	2	Manical to to 14 to oals
2	7		"	"	6	1/2	111	1.5	1.1	09	17	,	,	1		except sparker. I respect things
3	7	2	Sw.heo	es euxer.	6	,	118	1,5	1.1.	09	17	,	,	,		pas
4	6	6	,	"	6	,					1.7		,	3		Joka for to let sail
5	6		Suxce	,	6		116	1.5	1,5	58	1.7	,	1	2		
6	6		"	,,	6						1.7	,	"	4		
7	6		",	,	6		114	INS	1.5	vs	47	Le	Cum	5		
8	4,		South	who	6						17	beg	a him	3		Fork in he deflet sail the sail
9	5	-	"	"	-	,	0%	1,5	1,4	17	17	7	"	4		Claus down Infrails
10	6		,	,	5	,	111	1.4	1.3	1.	47	,	",	5	10000	Trokai jis recend
11	2		,	"	5	4	07	1.3	1,5	15	11	7	ai Gum	4		rufui forial
Noon.	2		nw	"	5	4	"	1.3	14	0%	16	,	"	7	1	

149 knots 8 fathoms. Distance run by Log since preceding Noon 32 029 127 18 Latitude by D. R. at Noon 47 . 29 Longitude by D. R. at Noon 32 024.03.18 Latitude by Observations at Noon⊙ 47015 10 Longitude by Chronometer from Forenoon Observations⊙ 2656 Current during the time O, see knots fins. per hour, setting to the Variation of the Compass by Amplitude ⊙ observed at Sunrise Variation of the Compass by Azimuth ⊙ observed at Facus 20001 "6 Water expended during the preceding 24 hours Lov gallons. Water during the preceding 24 hours Water remaining on hand fit for use at Noon 1184 " Coal consumed during the preceding 24 hours lbs. tons Coal remaining on hand at Noon

		-			-	1	Maria Constitution	Name of the local division in	1	1			1	1		
P. M.																
1	2	5	nevxu	wsw	5	1	30 05	hs	13	06	17	Leg	Ci him	6	ne	
			2245	"	1000000		07	100					7			
			8xw	wxs			06									
			"	1		1			10000			,				
			8/26	,	1	4						,				
6	2		,	"	1							Lel				
7	2		uxu	SSW		1000						"				
4		1000000	w	Sxw	10000	2						tere		5		
		4		suxs	1 1000	1	12	115	1/2	55	17	begar	,	2		
10	2		,	"			1.	3 1,5	1/12	05	17	ogto	,	2		
11	2		",	,		1000		14	1/2	5	17	"		0		
			nuxw	,		1	13	1,4	114	17	17	deg	"	5	1	
					1000		1000	1	1	1		-		1	1	

Longitude by Chronometer from Afternoon Observations \odot

47 °16 30 " W

lone nazgen

Longitude by Chronometer from Observations

*

Variation of the Compass by Amplitude

observed at sunset

Variation of the Compass by

a

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences HoHam Weather Jewer sely feles aut. Fresh breeze with stiff equalls from 10"+14" Barmelin faeluig. Upper stratum corning from 5°, Lower estatum moring with the wait. Lighting 1", 5." Moderate Seas Dork in + factes fore topgaelaut pails, at 3.". Quenid 30.07.

Weather cloudy themalings finally culminating air a very heavy equal from We at 7.5. moderate bridge up to that time, from 2000 x to. Or 7 when in refuled main sail, and main styppelant sail, bleved down topsails to the squall. Cleaning at the close Borometer falling

(gs) am him Marker Ugal

Clear pleas act. Strong brug from SW. moderate Rea, arg" sunctions ar quarter, arg." trok second reefin topsails, Unseur main dopail theur new one., ar 11 wow ship p. s., heades new on new tacto, aunia 30.10, vining slowly.

Medta 4 BW

Heather clear the leaves though aqually blonds cinies, cumules, Amintus, Moderate Rea. Inch breze from when to was. at 2 wore ship to 22', two here around our storm mizzen to ease helm. a section of Boyo intructed by Dehodmaster. aunid 30.07.

Clindy & qually, Barmeter viery, Musteres ar quarter as 4. Themid 20,10 (egs) BRees Lieux Uger

blendy & dentaining with frequent lightings from S' + W. Moderate broge from Months new Barradelie steady. How ship at 6. - annual 30.10.

(pgs) Will know Master Uger

bludy, paving greater fact freath. unid variable in forcet direction, hauling to receive from Sto w. Moderate swell, ship rolling quite heavily at time. Lightning at time army the honger, are strong as 30,10.

Ollow's dealuation =

Examined and found to be correct.

on Cope Palmer to Montevido

				WINDS.			BAROME	TER.	TEM	PERAT	URE.	State of the	Forms of	Hear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
1. M.				,									2.			
1	1	5	Naxw	Siv	2	2	30 11	1,4	1,2	0-6	1.1	beh	Ci	U-	2	south refer depals + Fro
2	/	5	,	"	1	2	"	14	he	26	1.4	he	Com Mini	5		man Ty sail , Clow Myjon
3	1	5	wxrb	Ssw	1	2	111	14	1.2	06	1.1,	teh	"	-		Fore top ment cloyed .
4	1	5	"	Sxco	2	2	111	1.4	1.2	06	66	"	7	5		
5	1	8	and	1	2	4	111	115	1.2	-6	1.1	bey	Cum	6		
6	1	8	wxx	"	3	4	111	14	1,2	16	1.11	"	"	1		
7	1	8	.,	"	3	4	"	1.4	1,2	06	1,1,	7	1	8		
8	2	4	"	"	3	4	"	1.4	1,2	16	1.5	"	1	8		Shork at nege
9	5	5	www	SSW	3	1	16	1.4	1,2	+6	1,1	be	7	9		Ar jis tof 411 sails a
10	3	-	wnw	Sw	3	,	16			06	1000000	11-	,	5		sparker .
11	4		SEXS	. ,	3	,	7	1.4	1,3	16	1.1	1	,	3		
Toon.	4		SE)	,	1	,	17	1.4	1,3	06	1,	,	,	3		
	Distar	nce ru	n by Log since prec	eding Noon								58	knots 2	- fath	oms.	
			D. R. at Noon										007			P
			by D. R. at Noon		1							47	.36	, 3	0 ,4	
			Observations at No	on O								3.	2 .02	.,0	4,,	P
			by Chronometer from		rvation	. 0						4	7 .4	2,	,, e	
			ing the time 0.3				r setting	to th					n 42			
			f the Compass by A					, w m						,	"	
						-							3 .00		,, (-
	-		f the Compass by A		ed at		~						3,5			
			nded during the pre										-,0	5	llons.	
	Water			during the pr	eceding	z 24 ł	iours						1/ 0			
			aining on hand fit fo									-	569		"	
			ned during the prec									t	ons		lbs.	
	Coal r	remair	ning on hand at Noo	on									"		"	
. м.																
1	5		wnw	Sw	4		34 17	1.4	13	55	1.1,	te	Cu Cun	4	2	
2	4	6	"	,	4	1/2	18	1.4	13	55	1.4	"	- "	5		
3	5		1	1	4	1/2	18	14	14	56	1.1,	1	7	6	1	
	4	4	,	"	4	1/2	18	1,4	14	06	1.4	"	,	6		
4			THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		100000	1	1000	1000	-	-	1	-	1	1		THE RESERVE OF THE PARTY OF THE
	3		huxw	surce	4	1	2,	1.4	1.4	56	1,1		1	5		Look refer think
4	-		huxw	suxu.	4	1	18	14	1.4	56	1.1.	"	1	5		And refer Aprilo

8x6/26 1.3 58 10 3 1.4 18 1.1, 11 6 1,0 8 /1, Mid.

Longitude by	Chronometer	from	Afternoon	Observations	0
Longitude by	omonometer	HOIL	Alternoon	Observations	0

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by Og at Hpm

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Communes 41. 4 au Weather clear with first breeze from & Her + occasional Equals relevens. Ship ridery saily to a long sear accommisely broken by heavy search, Barmeter straty. Course & 11.10. 41. Jan bling theraux. Inoducate bruge for DAW, Smooth Red with long sweet. Borowellie ching, Shows the reef out of Definails at 7.5. avenid 50.14.

Sgo, BPRees Lever uga St. Meid. Any toool. moderate huge from Duxs, Ing sweet ship voiling paily, and " as toppalant sails jet repaire, went o quartes frampeation as 9:1. Exercise 1: +21 Jude. ario was ship to 8. Bannete steady. anin master ugas Selear delightful weather Moderale breeze from \$6. Moderale severe from \$6. Summet sea Instructio 32 Section of Boys, arreire 30.13 Heartwo clear & pleasant. Moderate breeze from S'405°, Cernis & Currelles clouds, as 4 to mention or quarters. Calles all hands met topoals at 4. To to in a suight met in topoals. A proportant pails on, there, Smooth bea. Ship rolling loving. Curains 39,15. Barmela sleasy, anima 30.18.

(Ogo) BRRees Levit aged

St. M. 14. Thereast thething fint part. clear & pleasant with bright statists lader part. Type bregge from 10 8 W, haulfing to co -, avenia 31.19.

Clovis dealuration =

Examined and found to be correct.

Navigator. Luntemant +

			1
Maken	Massade	to	Montevideo.
1			

	ua	ne	of passa	1												
				WINDS.			BAROME	TER.	TEM	PERAT	TPP			11		
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.				Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.	2		She	wsw	٤		3,, 23	1,5	10	5%	1.7	Ye	Ci Cun	9	8.	Main sail to topyer sail
2	2		8	"	2		24	1.5	13		47	"	,	9		Sujle super topsails
3	2	2	Shew	wes	2		24	1.4	1.3	st,	111	,	,	8		
4	2		Sxw	4	2		24	14	13	56	1.1	,	"	9		
5	2		sxw/4w	,	2	1	21	1.1	12	17	1.1	,	Ci	.9		
6	2		,		2	1/-	14	1.4	1.2	17	1.1	7	"	9		short seeps out of topsail
7	3		8xw/200		٤	1/4	24	1.4	12	57	1.1	,	,	9	_	de light f. dis + m I ail
8	3	5	1	,	0	1/4	1	114			14	,	,	9		John to Tryonil
9	2	8	,	4	3	1/2		1.4	1.4		11	,	,	9		
	3	2		-	3	1/2		14	14		11		,	9		
10	3		"	7	3	1/2	-	14			11		-	1		
11		6	"	, .	-	1	-		7			,	,	9		
Noon.																
	Distance run by Log since preceding Noon 95 knots 3 fathoms.															
	Latitude by D. R. at Noon															
	Latitude by D. R. at Noon Longitude by D. R. at Noon 48 07 45															
	Latitu	de by	Observations at No	oon O								3	2 .31	,2	5,5	
			by Chronometer from		vation	s ①						4	18.11	,4	5,4	
			ring the time				ır, setting	to th	A							
			of the Compass by A											,	"	
													4.0	v,	6	
			f the Compass by A		d at	0							300			
		0.90	ended during the pro										000	ga	llons.	
	Water			during the pre	ceding	g 24 l	nours					-	-/-		".	
	Water	r rem	aining on hand fit fo	or use at Noon								U	69		"	
	Coal	consu	med during the prec	eding 24 hours								1	cons		lbs.	
	Coal	remai	ning on hand at No	on									"	-	"	
															_	
P. M.																
1	2	6	Sxwhw	w	2	1/2	30 21	11	11	1111	1,1	Le	Cui	9	8	
2	1	5	ssw/2w	were	1-2	1/2	19	1.1	1.1.	1,4	11	"	"	9		
3	1	2	Ju1/2 8	wnw	,	1/2	19	1,4		10000	1.1	8	_	10	,	
4	1	4	Swxw	aw	,	1/2			1		11	80	Cui	9		Inles me dail
5	1	P	"		1		20		1.7	,	1.1.	4	-	10		
	1	8		"	1			1	1.7	1.,	1.1.		1	10		
6	2	-	Sw/w	1	1		-7		1	ha		"				
7	3	0	Su 1/4 w	1	2		,6	1		,	11	1		10		
8	-			,	2	,	20	17	1.7	,	11	1		10		
9	3	-	Sw/ w	1	2	14	120000	1.7	17	100	11/1	1	-	10		
10		8	Suxuo	"	3	1/4		1.7	1.7		1.1.	1	-	10	1	7
11	3	6	"	1	2	1/4	-	17	1.7	11.	1.1	"	-	10	-	
Mid.	3	6	,	"	2	1/4	19	17	17	ho	111	"	-	10		
						1				1						
	Long	itude	by Chronometer fro	om Afternoon Obse	rvatio	na 🙆								,		

Longitude by Chronometer from Afternoon Observations O

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

..

Examined and found to be correct.

Luilenaux L Navigator.

Making passage to Montevides

		-														
		0		WINDS.			BAROME	TER.	TEN	dPERAT	URE.	State of the	Vorma e	lear ths.	State	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	Weather.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															0	
1	4		Suxw	new	2		3, 19	1.1.	1.5	ha	1,7	7	-	10	8	Plani sail to ony de . Ix cups
2	5		,	,	2		17	11	1.5	10	17	"	-	10		Lib one sail
8	3		"	,	2		15	111	1.5	10	1.7	',	-	10		
4	3	0	suxuhu	Enew	3		15	11	45	hen	17	,	-	10		sertificant stensal.
5	6	6	,	,	3		17	11,	1,5	119	17	"	-	10		
6	7		,	,	5		18	1,4	115	1,,	1.5	Le	Ci Gual	8	366	per Hying his.
7	6	6	,	,	3		20	17	1.1	1. "	1.7	,	,	6		
8	7		4	huxx	3		20	1.7	1.7	1.11	17	,	',	3		
9	7	5	,	"	5		14	17	1.7	1,	1.7	,	,	5		Took w spanker
10	8		1	"	5		13	17	1.7	ha	1.7	, ,	7	9	1000	John White dimals
11	1 -	0	,	Tru	5		12	17	1.8	1,,	1.8	,	,	9		Look is topment eternal
Noon.	9		,	"	6			7777		len		,	,	9	w	oyalo tyny jit.
	/															
												111				

Latitude by D. D. at Noon	33 .30	,30 ,5
Latitude by D. R. at Noon		-
Longitude by D. R. at Noon	49.5	9, "00
Latitude by Observations at Noon ⊙	33.41	1.03.18
Longitude by Chronometer from Forenoon Observations ©	49.4	9.000 W
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude O observed at Sunrise		, "
Variation of the Compass by Azimuth ⊙ observed at Flux	5.00	, 6"
Water expended during the preceding 24 hours	310	gallons.
Water Received during the preceding 24 hours	1350	"
Water remaining on hand fit for use at Noon	1609	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

										_						
Р. М.																
1	8	8	Swxwhw	nna	1.	1/2	3,00	17	1.8	13	48	te	Ci Cun	F	ne	
2	8	3	1	haxn	1,	1/2	03	17	1.8	1,3	18	4		8		No. of the last of
8	7	1	,	nw	1	1/-	100 1000	17			1000		"	8		
4	1		1	,	1	1/2	03	17	18	13	19	9	Cu	9		
5	7	4	1	,	1		01	18	11	13	1.9	1	4	9		
6	7	4	1	,	1,		01	18	1.1	13	19	7	4	9		1
7	7	4	,	"	5		02	47	1.1	43	19	1	,	9		
8	7		,	"	5		08	17	111	111	1.8	7	4	9		
9	7		1	nuxn	5		02	18	1.1.	13	49	"	"	9		
10	7		"	1	4		29 98	1.8	17	113	1.9	6		16		Let ony de veflying fix.
11	1	5	1.	,	5		99	18	17	1.3	19	te	Cui	9	-	Set oyer offing fir.
Mid.	8		,	,	5		99	1.8	17	1.3	19		"	6		-
-	-	Marie Marie			Part of	1000	No. of the last	1000	1 19 19 19	The state of the s	The same	A CONTRACTOR OF THE PARTY OF TH	THE PARTY OF THE P	Contract of the last of the la	The same of	

Longitude by Chronometer from Afternoon Observations ©	,	"
Longitude by Chronometer from Observations *	,	"
Variation of the Compass by Amplitude observed at Sunset		"
Variation of the Compass by at		"

Examined and found to be correct.

Making passage to Monteades

	·a		N.	0												
	WINDS. BAROMETER. TEMPERATURE. State of the Weather. Clouds, by 5 of the															
Hour.	Hour. Knots. St. Courses steered.												of the	Record of the sail the vessel is under at end of watch.		
		athor		Direction.	Force.	пиза	Height in inches.	Ther. att'd.	Dry Bulb.	Wet Bulb.	at surface.	by symbols.	aymbols.	Prop Sky, i	Sea.	W Chi O Watch.
		- E				-										
A. M.												,				
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	Longi	itude 1	by Chronometer fro	m Afternoon Obser	rvation	IR O						5	-3 . 15	4	10	w

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

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under the command of formucaudes ast on Cornnick , U. S. Navy

Danday may 14th, 18 83. , U. S. Navy, RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences Alociaen, Party dandy & mity, Frak hugy from neux 21, failing light laster far of watch. Bounds faciling. Districting evalue, amenia 29.95. blandy & mily poit facts with moderate bruge pow W X W. ar I amid frek, and haules to coi Sook in Royal and flying git as J. Stopped Destricting at 4 2° and banker fine as 5. " started fine in 6 biles, work shop to So as 70° took in topett sails + sparker. as 7 - shortweed sail, to a squall, haules of foresail, claver down doprails, hauler durs + stoned fit. as I called all hours there sail, as 7 - started ahead I bell, Got Inffallant Alegal goods ready for coming down. amenic 30.02. bludy and Rawing firs his further quater, Chain weather the remainder truck bruge from Ser. which squally haules to the Or 8" sent down topgallant & regal yards , there's yards shape up to the wind. Smooth Dear aris tross car of dup sea lead, Soundy bottom 36 fews, Stoppes engines for 15 min on account of hot bearings. Ot 11 " set are fore and aft lail except flying fit. Palus log reed as end ofwolt 1,3% mules, distance made Et mile, Straw of lls, Res 50, Atean under 6 boiles, aumid 30.00 cogs Whellogy Luis you med to 4 ru Weather guerally pleasant, though in last hour finalet there came a squall of wind train from USW. Dea riving, Webeur & seat below storm miggen & fore topmant strains. ar 12 changes comme by order of Comy Ofice to W + taking in fore toftsal. ar 3 got a cast of the lead. Fottom at 1 spins white sand, at 3 0 baces around the set braces The string gear famber, repaired it, using spare tiller, + releving tackle in the meantition. Commend 29.98. Patent by widested 89% miles at 4. Alexan pressure of 416, Rev 50. (pg) KRohrer Luis Uga Waid blowing a strong gale from es. at beginning freatch. growing lighter latter part. But for olim stayent be storm rugger as 4.3. Cules al hand work ship as 4.9. Laid the ship to on Att Facto. under fine close stage al, Me Try pail & Storm mygin. blow refers man Topail & Jonail, & ther Jules them. Got up procule baces, Bacomete steady. Cumia 30.01. Frok in elon stagson or 6. (ogs) BRRees Leene agu bludy scool. Strong breeze from Sw, wort heavy puffs. Rough sea, +ship willing deeply at times, Barometer ving, aneroia 30.05. (ogs, wurdnin master uga blendy, and, Fresh breze from Sw. which grasually discourse to light breze as to freatate. Heavy rain at 11. alloderate boken sea, ar 100 spore as pins, ansast west ahead, and a triles. Sook in fore tags said, Course Wx2l. Rev 35, Quemia 30.06. at 12 got bottom at 20 fm, saus yohue. (pgs) lokelogy Lins lofe Examined and found to be correct. m. H. Dalle Mario declination -Linteraux & Navigator.

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Longitude by Chronometer from Afternoon Observations O

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

under the command of Commander ast of forme it , U. S. Navy, Monday May 15th , 18 825 RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY. Commences storfacts. Weather pleasant though cold. Bruge from w to when. moderate sea to wheat ship hitch quety, Barometer fally slowly. Hurder steam foremen 511 lls. + 48 no. Light a light on fur for Alort it er port beam. . auemid 30.08. Paleur leg videates 112 miles et en sequelate. Weather generally pleas out. moderate to peak bruge pow w. Sourselve, Baronete cleady. Stopp egins at 5- + laid to ander on Trysail, while beeding chains, Started ahead or 540, + farles m Trysail, Sight Cape Danta Monin light at 5, be any neven. Sighter land on sett bowar 6", Sprend fries vetactio ahead at full speed, ar end of auto lank mano light house tors new 14w. accenia 20.10. Grob Rhees. Livis Upo blindy tool. moderate breeze for a", Daromete steady, ar 8' changes come to with s. Pateur log recording 130 /4, as 9" went to quarter for unifertion. Or 955 Saute mani light home For abran. distant atout 5 miles, Changes our ang" to Dever 1/2 w, paties by wending 144 14, as 10" eigher San Dynain light house beautype, DW, Changes come to Sulfew, falux log wanding 149, and charges course to SWXS, pateur log recording 152 1/4, at 112 charges course to & SWX 4 w. polis log wonding 106/4, at 11's est dis, fore topmant stage al the pauxer. at 12 Dan Ageracio light home fore (fe, WSer /400, Unm all theis are geart sent down topullar steers and thousand back Verved ou clocking. By order of Comoy office, Jas 16 Slewar Sas, + In M' mueler 12 Ch, were each guin 3 days extra daty for shirking. account 20.11 Mens (54 Pm) bludy cool, moderate breze four Sev. Sonort lea, Starding of the Revi Glatte, at I quasis light for abeau, as 3to sighted Moldmado light, and of end fivalet it for works. Fremel Steamer parces of bound up, charging course proposely, as 12'- changes consets ser, as 22 to wx S. as 300 6 w 3/4 S. . Steam 6 boiles, amind 30,10. (sqs) Collectoff Lines ages Clearant wearten, though cloudy, Swite to moderate begge from ee see to sweet, Frie hour of water string for Gracio light, and dung 2 hour of watch lying to, to ger a sight of mal armade, and Santa main light. Or by Spracio light bone pe, wxx/8x, x the engine were started ahead, x chip put or comme stu/s d. lende tian , presum 40 lls + 35 ser, aumi 20.10 (Ago) bolles. Luis of 8 to Med, blendy fine part xpleasaux laster pars, with highs startife. Soment bea. Very light air from www. Low By Dan Ignaniships as 10 to bearing now with a rest changes come to w/o S, palme log recording 232/ Barnets strety. arind 30.10. ar close of water maldonado light fora 1 pe, new. Rev 35.? Steam 41.5. 1830) Wirmin mastatjer Light breze from wsw. Survet leas Baronelle chady. Steering a come swip S. as and faction San Squacis light for w/v d, & maldonade light with S. amin'd 30.18. (ago) BRREES Livis Ofer Examined and found to be correct. 1. 1tokoku Moris declinations = Leubrant Navigator.

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6		26	1	1		-		52	1	4	9	
7		26	"	1	-	Part of the last		52	"	1	9	
8		6.16	4	1				02	4	"	9	
9		226	26	1		10000		51	6	',	9	
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Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

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Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 4to 4 all

Colar x cool. Light air pom la ser. Amont Lea. Cleaning up the mention whom fithe Rio de la Pluta at 15 maldonado light torespo, it 1/200, ar 11 116, and at eus qualit 116 x 6/86. Steaning under 4 briles. average res 36. Reach 42. anemid 30.08.

Weathwolear & pleas aut., aviil last hour frath when it became cloudy they. Sight brought for new towers. Set fore rags sail or 7. lender clean, pressure the and revolutions. Lost Maldonado lighe at 4.32

(ags), KRohier Leis agu

Over cost + foggy at beginning of watch, oflewards pleasans, Barmetin chady. muslind at quality at 95, Changer currento wer at 9. Sighted Three Inland having in new at 9.00 aflevards shaped comes for anchorage off mentender, A+11 " made signal \$ 44, aurums by a DS Brokeja bying as the harbor. The Brooklys made signal # 14, Quenum d. at 12 made signal # 1211, The Broklyw aurund 904, at end fivalch standing in for anchorage Theading West. Quenid 79.99. (Age) BRRies Luis Ugu

Mend to I Bow

Pleasar weather Light breeze from nxW. at 12 20 calles are hourd brig ship to auchor. and at 12 " bet go port auchor, seeing to 90 from on port chair, at 150 hove of fort anchor, to shift anchorage, and an 1 - moment ship in 3/2 few water with 40 pers on both chains. , Carterdare brang & 26 1/4, E. The Como HWXW/2W, Ship's head 21 XW Read official visits from the Italian, French, argentin, spanish, Brazilean, & Eighich men of war as he harbor, with a tender ofthe and contentes, Consoy office paid official visit to Brostlyn, Sear an officer on shore to communicate usel the us Consul, Draft of ship 12 ft 6 in foid, 14 ft 6 in aft,

(ogo) WM huin Maslivagn

Hente clear teleasant i Light breze from 20°, Barmete steady. at o made interog squal 5109. Brooklyn ausums 904 Housed toppallow master securit, ausum 29,90.

Sto Mid.

Pleasant evenitur. Light breeze pour 46. Borometer steady. auraid 49.90.

(200) Wilstoni Master. ofer

allovis dectination =

Examined and found to be correct.

Lewisans +

